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Pesticides DOCUMENTATION BULLETIN

U. S. Dept. of Agriculture
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Volume 5 Number 2
January 17, 1969

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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
January 17, 1969
Number 2

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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*This issue does not contain citations under this category.

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ENTOMOLOGY

580-69
RESEARCH ON THE FAUNA OF THE SARNO RIVER. I.DESCRIPTION OF THE COURSE OF THE WATER AND POPULATION DATA ON THE INVERTEBRATES IN THE SOURCE AND UPPER STREAM. (IT)
P Battaglini A Pierantoni G Peruoco
Naples Soc Natur Boll 76(PT 2):695-711
1967 410.9 N16
Animal ecology, Aquatic animals, Aquatic insects, Invertebrates, Population, Precipitation, Water analysis. English summary.

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AN UNUSUAL INSTANCE OF PHORESY IN ACARINA.
D A Chant
Entomol News (philadelphia) 71(10):270-271
Dec 1960 421 EN88
Culture media, Feeding, Hylemya brassicae, Insect control, Macrocheles merdarius, Phoresy, Research.

582-69
SPIDERS AND THEIR INSECT PREY FROM HEADS OF OX-EYE DAISY, CHRYSANTHEMUM LEUCANTHEMUM L., IN SOUTHWESTERN ONTARIO.
W W Judd
Entomol Soc Ontario Proc 95:137-139
1964 420 ON8
Chrysanthemum, Insect behavior, Insect names, Predaceous insects, Research, Spiders.

583-69
THE EFFECTIVENESS OF APHELINIDE, PROSPALTELLA PERNICIOSI TOWER IN THE SAN JOSE SCALE, QUADRASPIDIOTUS PERNICIOSUS (COMSTOCK), INFESTED AREA OF SOUTH WESTERN GERMANY.
G Neuffer
Anz Schadlingskunde 41(7):97-101
Jul 1968 421 AN9
Apples, Aspidiotus perniciosus, Breeding, Geography, Parasitic insects, Prospaltella perniciosi, Research. English and French summary

584-69
CONTROL OF EXOTELEIA DODECELLA L.
Z Sierpinski
Anz Schadlingskunde 41(7):106-107
Jul 1968 421 AN9
Air pollution, Exoteleia dodecella, Fumes, Insecticides, Research, Spraying equipment.

585-69
BEAUTY VS. UTILITY IN MOUNTING SMALL FLIES ON PAPER POINTS.
G C Steyskal
Entomol Soc Wash Proc 70(3):286
Sep 1968 420 W27
Adhesives, Diptera, Entomology, Labeling, Mounting.

SYSTEMATICS

586-69
A NEW GENUS (NEOSTEREOPALPUS) OF THE EURYGENIINI (COLEOPTERA: ANTHICIDAE) FROM JAPAN.
M Abdullah
Pakistan J Sci Indus Res 10(4):265-267
Oct 1967 475 P174
Anthicidae, Insect taxonomy, Neostereopalpus niponicus, Zoogeography.

587-69
A THIRD SPECIES OF STEREOPALPUS (COLEOPTERA: ANTHICIDAE: EURYGENIINAE) FROM CHINA.
M Abdullah
Pakistan J Sci Indus Res 10(4):270-271
Oct 1967 475 P174
Anthicidae, Coleoptera, Insect taxonomy, Stereopalpus asiaticus.

588-69
THE FOODPLANT OF IDIOCERUS VARIUS GERM. (HEM., CICADELLIDAE).
A A Allen
Entomol Mon Mag (SER.4)99(287-8):233
Nov 1963 421 EN86
Food plants, Idiocerus varius. Insect identification, Insect rearing, Research.

589-69
OPSIUS STATOGALUS FIEB. (HEM., CICADELLIDAE) IN AND NEAR LONDON: A SECOND NOTE.
A A Allen
Entomol Mon Mag (SER.4)99(287-8):240
Nov 1963 421 EN86
Food plants, Insect identification, Opsius statogalus, Research.

590-69
DERMESTES PERUVIANUS LAP. (COL., DERMESTIDAE): A CORRECTION.
A A Allen
Entomol Mon Mag (SER.4)99(287-8):229
Nov 1963 421 EN86
Cuticle, Dermestes peruvianus, Insect identification, Insect migration, Research.

591-69
SYSTEMATIC AND FAUNISTIC DESCRIPTION OF THE COCKCHAFER MELOLONTHA MELOLONTHA (VULGARIS F.) IN SWITZERLAND. (GE)
V Allenspach
Entomol Gesell Basel 17(2):29-36 REF
Jun 1967 QL461.E58
Insect taxonomy, Melolontha melolontha, Zoogeography. Several sub-species are also described.

592-69
RECORDS AND DESCRIPTIONS OF AFRICAN ENCYRTIDAE--4 (HYMENOPTERA: CHALCIDOIDEA).
D P Annecke
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Sep 1968 420 EN86
Catalogs, Encyrtidae, Insect taxonomy, Parasitism, Zoogeography.

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NOTES ON THE GENUS ONCOPSIS BURMEISTER, 1838 (HOMOPTERA, AUCHENORRHYNCHA) WITH DESCRIPTIONS OF NEW SPECIES FROM THE SOVIET FAR EAST.
G A Anufriev
Entomol Tidskr 88(3-4):174-184
31 Dec 1967 421 EN891
Catalogs, Homoptera, Insect taxonomy.

594-69
NOTES ON TWO COENONYMPHA OF THE PARIS BASIN. (LEPIDOPTERA NYMPHALIDAE SATYRINAE). (FR)
G Bernardi
Alexanor 5(1):39-40
13 Apr 1967 421 AL2
Insect taxonomy, Nymphalidae, Zoogeography.

595-69
IDENTIFICATION OF CUTWORMS OF ECONOMIC IMPORTANCE ON RHODESIA (LEPIDOPTERA: NOCTUIDAE).
B W Blair
Entomol Soc Southern Afr J 31(1):113-114
Mar 1968 420 EN86
Insect taxonomy, Noctuidae.

596-69
CARABUS (PROCRUSTES) MULSANTIANUS MOR. N. NURDAGENSIS NOV. (GE
C L Blumenthal
Entomol Bl 63(2):121-122 MAP
15 Oct 1967 421 EN833
Carabidae, Insect taxonomy, Zoogeography.

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DARKLING BEETLES OF THE GENUS EPITRICHIA GEBLER (COLEOPTERA, TENEBRIONIDAE).
A V Bogachev
Entomol Rev 46(2,APR-JUN):208-210
Jun 1967 421 R322AE
Catalogs, Insect taxonomy, Tenebrionidae, Zoogeography.

598-69
NEW HOPLISOIDES FROM THE UNITED STATES (HYMENOPTERA: SPHECIDAE).
R M Bohart
Entomol Soc Wash Proc 70(3):287-292
Sep 1968 420 W27
Hoplisoides, Hymenoptera, Sphecidae, Taxonomy.

599-69
LIST OF THE NOCTURNAL TRIFIDS OF FRANCE AND BELGIUM. (FR)
C Boursin
Alexanor 5(1):41-48
13 Apr 1967 421 AL2
Noctuidae, Zoogeography. Continuation and to be continued. listing of no. 168-265.

600-69
THE DERMAPTERA OF VENEZUELA.
A Brindle
Acta Biol Venezuelica 6(1):82-98
31 Mar 1968 475 AC86
Catalogs, Dermaptera, Insect taxonomy, Zoogeography.

601-69
A NEW AFRICAN MEMBRACID (HEM. HOM.).
A L Capener
Entomol Tidskr 88(3-4):185-187
31 Dec 1967 421 EN891
Insect taxonomy, Membracidae.

602-69
NEW MEMBRACIDAE (HEMIPTERA: HOMOPTERA) FROM SUDAN AND ETHIOPIA.
Al Capener
Entomol Soc Southern Afr J 31(2):323-336
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Catalogs, Insect taxonomy, Membracidae.

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BIBLIOGRAPHY ON THE SYSTEMATIQUE OF ENTOMOPHAGOUS INSECTS. V. (FR)
Entomophaga 7(1):69-76
1962 421 EN835
Bibliography, Coleoptera, Diptera, Hymenoptera, Insect taxonomy, Parasitism, Predaceous insects.

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NOTES ON THE FAUNA OF THE ARMORIQUE MOUNTAINS. (FR)
J Cherel
Alexanor 5(1):33-37
13 Apr 1967 421 AL2
Insect collection, Insect taxonomy, Lepidoptera, Zoogeography. Listing of more than 100 species.

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THE GENUS ISCHNOTHYREUS (ARANEAE, OONOPIDAE) IN CENTRAL AMERICA AND THE WEST INDIES.
A M Chickering
Psyche 75(1):77-86
Mar 1968 421 P95
Ischnothyreus, Spiders, Taxonomy, Zoogeography.

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THE DISCOVERY OF A NEW DAMASTER FROM FORMOSA (COLEOPTERA, CARABIDAE).
Y Chu
Mushi 41(3)59-62 REF
10 Aug 1967 421 M97
Carabidae, Insect taxonomy, Zoogeography.

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A MELANISTIC FORM OF PARASEMIA PLANTAGINIS L. (GE)

608-69

K H Cleve
Deut Entomol Ges Mitt 26(5):81-85
31 Dec 1967 420 D482
Breeding, Color, Entomology, Insect identification, Insect taxonomy, Melanosis, Parasemia plantaginis.

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WATER MITES OF THE GENUS STYGOMOMONIA IN NORTH AMERICA (ACARINA: MOMONIIDAE).
D R Cook
Entomol Soc Wash Proc 70(3):210-224
Sep 1968 420 W27
Acarina, Stygomomonia, Zoogeography.

609-69
HOVERFLIES AND A BUG FROM CAERNARVONSHIRE.
R Crossley
Entomologist (london) 101(1259):79
Apr 1968 421 EN8
Insect identification, Syrphidae.

610-69
SOME NOTES ON THE SYRPHIDAE (DIPTERA) OF A YORKSHIRE CLOUGH.
R R Crossley
Entomologist (london) 100(1246):73-74
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Habitats, Surveys, Syrphidae.

611-69
THE CHROMOSOMES OF THREE AUSTRALIAN DACETINE ANT SPECIES (HYMENOPTERA: FORMICIDAE).
R H Crozier
Psyche 75(1):87-90
Mar 1968 421 P95
Chromosomes, Dacetini, Formicidae, Hymenoptera, Insect taxonomy. Chromosome studies support present taxonomic placement.

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THE LARVAE OF SOME BRITISH NOTIOPHILUS SPECIES (COL., CARABIDAE).
M Davies
Entomol Mon Mag (SER.4)99(287-8):206-209
Nov 1963 421 EN86
Hibernation, Insect identification, Insect rearing, Larvae, Notiophilus, Reproduction, Research.

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SECOND CONTRIBUTION TO THE KNOWLEDGE OF THE AFRICAN COCCOIDEA (HOMOPTERA).
G De Lotto
Entomol Soc Southern Afr J 31(1):83-86
Mar 1968 420 EN86
Coccoidea, Insect taxonomy.

614-69
SPINULANA, NEW GENUS OF MEXICAN DELTOCEPHALINAE, AND TWO NEW SPECIES OF SPINULANA. (HOMOPTERA; CICADELLIDAE).
D M Delong
Ohio J Sci 67(1):20-22
Jan 1967 410 OH3
Deltocephalinae, Insect identification, Insect morphology, Insect taxonomy, Spinulana.

615-69
STUDIES ON THE GYPONINAE; TWO NEW GENERA, CHILENANA AND CHILELLA. (HOMOPTERA; CICADELLIDAE).
D M Delong P H Freytag
Ohio J Sci 67(2):105-112
Mar 1967 410 OH3
Chilella, Chilenana, Entomology, Gyponinae, Insect identification, Insect taxonomy, Research.

Two new genera of Gyponinae, Chilenana and Chilella are described, both from Chile. Seven species, all new, C. similara, C. diverta, C. exilis, C. chilena, C. proxima, C. singularis, and C. flexa are described and placed in Chilenana. one species, C. rugella, is described and is the genotype of Chilella.

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A NEW SPECIES OF DRAECULACEPHALA (HOMOPTERA-CICADELLIDAE) FROM CHILE.
D M Delong
Ohio J Sci 67(3):184-185
May 1967 410 OH3
Draeculacephala chilensis, Entomology, Insect identification, Insect taxonomy.

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DEVOLANA, NEW GENUS OF MEXICAN DELTOCEPHALINAE, AND A NEW SPECIES OF DEVOLANA.(HOMOPTERA; CICADELLIDAE).
D M Delong
Ohio J Sci 67(1):22-23
Jan 1967 410 OH3
Deltocephalinae, Devolana, Devolana hemicycla, Insect identification, Insect taxonomy.

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CONTRIBUTIONS TO THE STUDY OF PHASIINAE CIMICOPHAGES (DIPTERA TACHINIDAE). 35. TAXONOMIC AND BIOLOGICAL STUDIES OF CLAIRVILLIA BIGUTTATA AND THE RELATED EUROPEAN LEUCOSTOMATINA. (FR)
C Dupuis
Cah Natur 24(1):1-43 REF
1968 410 F432
Clairvillia biguttata, Entomology, Insect identification, Insect taxonomy, Leucostomatina, Research, Tachinidae.

619-69
ORTHOTYLUS TENELLUS (FALL.) (HEM., MIRIDAE) IN EAST KENT.
J C Felton
Entomol Mon Mag (SER.4)99(287-8):240
Nov 1963 421 EN86
Insect taxonomy, Orthotylus tenellus, Research.

620-69
REDESCRIPTION OF SOME OPIINAE (HYMENOPTERA, BRACONIDAE). (GE
M Fischer
Arbeitsgemeinsch Osterr Entomol Z 19(2/3):59-69
1967 421 W633
Braconidae, Insect taxonomy, Opiinae. 8 species are re-described.

621-69
STREPSIPTERA FROM THE SMITHSONIAN INSTITUTION'S SURVEY OF DOMINICA, WITH DESCRIPTION OF A NEW SPECIES OF ELENCHIDAE.
J W Fox
Entomol Soc Wash Proc 70(3):238-242 REF
Sep 1968 420 W27
Elenchidae, Insect identification, Strepsiptera, Surveys, Taxonomy.

622-69
NEW SPECIES AND RECORDS OF HESPERIIDAE FROM MEXICO (LEPIDOPTERA).
H A Freeman
N Y Entomol Soc J 76(4):267-277
Dec 1968 420 N48J
Hesperiidae, Insect taxonomy, Zoogeography.

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A NEW PINE BARK BEETLE IN GERMANY, GNATHOTRICHUS MATERIARIUS FITCH. (GE)
R Gauss
Z Angew Entomol 61(4):454-456
May 1968 421 Z36
Gnathotrichus materiarius, Insect identification, Pinus, Zoogeography.

624-69
NOTE ON TWO TYPE SPECIMENS OF BRITISH PTEROMALIDAE (HYM., CHALCIDOIDEA) IN THE G. T. RUDD COLLECTION (YORKSHIRE MUSEUM, YORK).
M W R de V Graham
Entomologist (london) 100(1246):77-78
Mar 1967 421 EN8
Insect taxonomy, Pteromalidae.

625-69
CORRELATIONS BETWEEN CHARACTERS IN SPECIES OF COLIAS (LEPIDOPTERA: PIERIDAE).
P H H Gray
Entomologist (london) 100(1246):62-63
Mar 1967 421 EN8
Colias, Insect morphology, Insect taxonomy, Wings (insects).

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A NEW CLICK BEETLE OF THE GENUS AGRIOTES ESCH. (COLEOPTERA, ELATERIDAE) FROM SOVIET CENTRAL ASIA.
Ye L Gur'yeva
Entomol Rev 46(1,JAN-MAR):121-122
Mar 1967 421 R322AE
Elateridae, Insect taxonomy, Zoogeography.

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THE BIBIONIDAE (DIPTERA) OF NEPAL, RESULTS OF THE AUSTRIAN AND THE B. P. BISHOP MUSEUM EXPEDITIONS, 1961 AND 1965.
D E Hardy
Pacific Insects 9(3):519-536
20 Aug 1967 421 P11
Bibionidae, Catalogs, Insect taxonomy.

628-69
AN AUTOMATIC DEVICE FOR DIVIDING AND PACKAGING LIGHT TRAP INSECT CATCHES ACCORDING TO TIME INTERVALS.
A W Hartstack J P Hollingsworth
U S Agr Res Serv ARS 42-146:3-14
Sep 1968 A58.9 R31
Attractants, Automatic control, Equipment, Insects, Light traps, Research.

629-69
NOTES ON HELCONINI (ICHNEUMONOIDEA, BRACONIDAE, HELCONINAE).PART I.
K J Hedquist
Entomol Tidskr 88(3-4):133-143
31 Dec 1967 421 EN891
Braconidae, Catalogs, Hymenoptera, Insect taxonomy, Zoogeography.

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HERCOSTOMUS PRAECEPS LW.--H. FULVICAUDIS WALK. (DIPT., DOLICHOPODIDAE), A CORRECTION.
L Hedstrom
Entomol Tidskr 88(3-4):146
31 Dec 1967 421 EN891
Dolichopodidae, Insect taxonomy.

631-69
NEW SPECIES OF ERYTHRONEURA RELATED TO ERYTHRONEURA DIRA (HOMOPTERA: CICADELLIDAE).
L W Hepner
Kans Entomol Soc J 40(1):17-24
Jan 1967 420 K13
Erythroneura, Insect identification, Insect names, Research, Taxonomy.

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ON THE ORTHOPTEROUS FAUNA IN THE SOUTH OF THE KRASNOYARSK TERRITORY.
I V Ivanova
Entomol Rev 46(1,JAN-MAR):72-80 REF
Mar 1967 421 R322AE
Economic entomology, Orthoptera, Surveys, Zoogeography.

633-69
AN ADVENTIVE ANTHIDIUM IN NEW YORK STATE (HYMENOPTERA: MEGACHILIDAE).
E R Jaycox
Kans Entomol Soc J 40(1):124-126
Jan 1967 420 K13

Anatomy, Anthidium, Cuticle, Insect identification, Insect rearing, Insect traps, Research.

634-69
A NEW SPECIES OF NOTIOPHYGUS GORY WITH SUPPLEMENTARY INFORMATION (DISCOLOMIDAE COL.). (GE)
H John
S Afr Mus Ann 50(8):163-168
Dec 1967 515 SO82
Discolomidae, Insect taxonomy, Notiophygus. English summary. five new species were: N. acutus, N. fungivorus, N. tritus, N. globulus and N. inops.

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CONCLUSION OF A REVISION OF APHANOCEPHALUS (COLEOPTERA, DISCOLOMIDAE). (GE)
H John
Leiden Rijksmus Natuur Hist Zool Mededel 42(3):11-15
08 Mar 1967 410.9 L59
Aphanocephalus, Discolomidae, Insect taxonomy, Zoogeography. Six other species are discussed.

636-69
SOME NEW SYNONYMY IN THE PTILIIDAE (COL.).
C Johnson
Entomologist (london) 101(1259):76-79
Apr 1968 421 EN8
Coleoptera, Insect taxonomy.

637-69
CRYPTOPLEURUM SUBTILE SHARP (COL., HYDROPHILIDAE): AN EXPECTED ADDITION TO THE BRITISH LIST.
C Johnson
Entomologist (london) 100(1250):172-173
Jul 1967 421 EN8
Hydrophilidae, Insect taxonomy.

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FLEAS OF THE MOLE TALPA EUROPAEA L. IN CZECHOSLOVAKIA (APHANIPTERA).
M Jurik
Acta Ent Bohemoslov 1(65):67-75
1968 420 C33
Insect ecology, Moles, Parasitic insects, Quantitative analysis, Research, Siphonaptera, Surveys, Temperature, Weather, Zoogeography.

639-69
GAMPSOCLEIS GLABRA (HERBST) AND HOMOROCORYPHUS NITIDULUS (SCOPOLI), TWO FAUNISTICALLY NOTEWORTHY GRASSHOPPERS IN THE FISCHA-WIESE NATURE PRESERVE NEAR GRAMATNEUSIEDEL, LOWER AUSTRIA. (ORTHOPTEROIDEA, SALTATORIA). (GE)
A Kaltenbach
Arbeitsgemeinsch Osterr Entomol Z 19(2/3):35-37 REF
1967 421 W633
Gampsocleis glabra, Homorocoryphus nitidulus, Orthoptera, Zoogeography.

640-69
PARATEPHRITIS TRANSITORIA RHOD. (DIPTERA, TEPHRITIDAE), A FLY THAT FORMS GALLS ON TASSEL FLOWERS IN THE MARITIME TERRITORY.
M N Kandybina O V Kovalev V A Rikhter
Entomol Rev 46(1,JAN-MAR):63-65 REF
Mar 1967 421 R322AE
Compositae, Gall-making insects, Insect taxonomy, Surveys, Tephritidae.

641-69
NOTEWORTHY NEW FINDS OF LEPIDOPTERA FAUNA IN LOWER AUSTRIA, IV. (GE)
F Kasy
Arbeitsgemeinsch Osterr Entomol Z 19(2/3):38-42
1967 421 W633
Lepidoptera.

642-69
REVISION OF THE NORTH AMERICAN SPECIES OF SLATEROCORIS (HETEROPTERA:MIRIDAE).
L A Kelton
Can Entomol 100(11):1121-1137 REF
Nov 1968 421 C16
Heteroptera, Miridae, Slaterocoris, Taxonomy.

643-69
NEST ARCHITECTURE AND ASSOCIATED BEHAVIOR OF THE NOCTURNAL BEE, SPHECODOGASTRA TEXANA (HYMENOPTERA: HALICTIDAE).
W B Kerfoot
Kans Entomol Soc J 40(1):84
Jan 1967 420 K13
Habitats, Insect behavior, Nesting, Pollination, Research, Sphecodogastra texana.

644-69
A NEW SOUTH AMERICAN HAWK MOTH PROTOPARCE FERONIA SP. N. (LEP. SPHINGIDAE). (GE)
K Kernbach
Deut Entomol Ges Mitt 27(1):5-6
15 Mar 1968 420 D482
Entomology, Insect identification, Insect taxonomy, Moths, Protoparce feronia, Sphingidae.

645-69
SITONA BREVIROSTRIS SOLARI (COL., CURCULIONIDAE) NEW TO THE BRITISH LIST.
D K Kevan
Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):39-41
1963 421 EN86
Anatomy, Insect identification, Research, Sitona brevirostris.

646-69
A NEW GENUS OF BRUCHIDAE FROM SOUTH AMERICA, WITH THE DESCRIPTION OF A NEW SPECIES (COLEOPTERA).
J M Kingsolver
Entomol Soc Wash Proc 70(3):280-286 REF
Sep 1968 420 W27
Bruchidae, Coleoptera, Insect identification, Taxonomy.

647-69
A REVISION OF THE TERMITOPHILOUS TRIBE TERMITODISCINI (COLEOPTERA: STAPHYLINDAE). PART I. THE GENUS TERMITODISCUS NASMANN; ITS SYSTEMATICS, PHYLOGENY, AND BEHAVIOR.
D H Kistner
N Y Entomol Soc J 75(4):204-235 MAP
Dec 1967 420 N48J
Insect behavior, Staphylinidae, Zoogeography.

648-69
REVISION OF THE TERMITOPHILOUS SUBFAMILY TRICHOPSENIINAE (COLEOPTERA, STAPHYLINIDAE). I. THE GENUS SCHIZELYTHRON KEMNER.
D H Kistner
Entomol News (philadelphia) 80(2):44-53
Feb 1969 421 EN88
Catalogs, Insect behavior, Insect evolution, Insect taxonomy, Staphylinidae.

649-69
POLISH SPECIES OF THE FAMILY TRIOZIDAE (HOMOPTERA, PSYLLODEA). (GE)
S M Klimaszewski
Pol Akad Nauk Inst Zool Ann Zool 25(3):227-315 REF
31 Aug 1967 410.9 W26
Host plants, Insect morphology, Insect taxonomy, Larvae, Psyllidae. Polish and Russian summary. description of more than 100 species.

650-69
REVIEW OF THE PARASITIC DIPTERA OF THE GENUS ERIOTHRIX MEIGEN (DIPTERA, TACHINIDAE) IN THE USSR.
N G Kolomiyets
Entomol Rev 46(1,JAN-MAR):142-151
Mar 1967 421 R322AE
Catalogs, Insect taxonomy, Parasitic insects, Tachinidae, Zoogeography.

651-69
A NEW SPECIES OF THE GENUS MACROCEPHALUS SWEDERUS FROM MEXICO (HEMIPTERA: PHYMATIDAE).
N A Kormilev
Entomol Soc Wash Proc 70(3):242-245
Sep 1968 420 W27
Hemiptera, Macrocephalus, Taxonomy.

652-69
MYSMENA JOBI N. SP., A SYMPHYTOGNATHIDE IN MIDDLE EUROPE (ARACHNIDA, ARANEAE, SYMPHYTOGNATHIDAE). (GE)
O Kraus
Senckenb Biol 48(5-6):387-399
22 Dec 1967 410.9 SE5
Insect morphology, Insect taxonomy, Spiders, Zoogeography. French abstract

653-69
ENTOMOLOGICAL TOUR OF SPAIN. (FR)
E de Lajonquiere
Alexanor 5(1):25-32
13 Apr 1967 421 AL2
Insect collection, Insect taxonomy, Lasiocampidae, Lymantriidae, Noctuidae, Notodontidae, Rhopalocera, Sphingidae, Zoogeography. Many sub species are mentioned.

654-69
TINGIDAE FROM KOREA (HETEROPTERA).
C E Lee
Mushi 41(7):91-111 REF
15 Sep 1967 421 M97
Catalogs, Insect taxonomy, Surveys, Tingidae, Zoogeography.

655-69
TWO NEW SPECIES OF GIGANTOLAELAPS (ACARINA: LAELAPTIDAE) WITH A KEY TO THE FEMALES.
D Lee R W Strandtmann
Kans Entomol Soc J 40(1):25-32
Jan 1967 420 K13
Anatomy, Food plants, Gigantolaelaps, Insect identification, Research, Taxonomy.

656-69
ON SAWFLIES SYNONYMS (HYMENOPTERA, SYMPHYTA). (GE)
E Lindqvist
Notulae Entomol 47(4):117-126
1967 421 N84
Catalogs, Insect taxonomy, Symphyta.

657-69
THE SPECIES OF THE PRISTIPHORA ABIETINA CHRIST GROUP (HYMENOPTERA, TENTHREDINIDAE). (GE)
E Lindqvist
Notulae Entomol 48(3):137-142
1968 421 N84
Catalogs, Insect taxonomy, Pristiphora.

658-69
NEW PSYLLIDS (HOMOPTERA, PSYLLOIDEA) FROM THE FAR EAST OF THE USSR.
M M Loginova
Entomol Rev 46(2,APR-JUN):202-207
Jun 1967 421 R322AE
Catalogs, Insect taxonomy, Psyllidae, Zoogeography.

659-69
NOTES ON TWO SPECIES OF MACHIMUS LW. IN NORTHERN EUROPE (DIPTERA, ASILIDAE).
L Lyneborg
Notulae Entomol 48(3):131-135 REF
1968 421 N84
Asilidae, Insect geography, Insect taxonomy.

660-69
A NEW SPECIES OF CALOSOMA (CALLISTHENES) FROM THE MIDDLE EAST. (GE)
K Mandl
Arbeitsgemeinsch Osterr Entomol Z 19(2/3):47-49
1967 421 W633
Calosoma, Insect taxonomy.

661-69
A NEW SPECIES OF ALYSIA PARASITIC ON CARRION-FEEDING FLIES (HYMENOPTERA: BRACONIDAE).
P M Marsh
Entomol Soc Wash Proc 70(3):208-210
Sep 1968 420 W27
Alysia cariosa, Braconidae, Hymenoptera, Insect behavior, Parasitism, Taxonomy.

662-69
HEMIPTERA OF THE STATE PRESERVE OF WESTHOEK. PENTATOMOIDEA. (FR)
R Mayne
Bestuur Waters Bossen Min Agr Serv Res Nat Dom Con Nat (1):47P REF
1965 HC311.A1B4
Hemiptera, Insect ecology, Insect identification, Insect taxonomy, Pentatomidae, Zoogeography.

663-69
SWARMING OF LONCHAEID FLIES AND OTHER INSECTS, WITH DESCRIPTIONS OF FOUR NEW SPECIES OF LONCHAEIDAE (DIPTERA).
J F McAlpine D D Munroe
Can Entomol 100(11):1154-1178 REF
Nov 1968 421 C16
Diptera, Insect behavior, Insect identification, Lonchaeidae, Swarming, Taxonomy.

664-69
A PRELIMINARY LIST OF TACHINIDAE (DIPTERA) FROM JAPAN.
L P Mesnil H Pschorn-Walcher
Mushi 41(12):149-174
30 Jan 1968 421 M97
Catalogs, Surveys, Tachinidae, Zoogeography.

665-69
TIMARCHA TENEBRICOSA (FARBER) (COLEOPTERA: CHRYSOMELIDAE) AT MARTIN'S HAVEN, PEMBROKESHIRE.
M L Mills
Entomologist (london) 100(1250):171
Jul 1967 421 EN8
Chrysomelidae, Festuca ovina, Habitats, Holcus.

666-69
DESCRIPTIONS OF TWO NEW SPECIES OF THE GENUS STETHORUS WEISE FROM JAPAN (COLEOPTERA: COCCINELLIDAE).
M Miyatake
Shikoku Entomol Soc Trans 9(2):51-54
Sep 1966 420 SH6
Anatomy, Coccinellidae, Insect identification, Insect taxonomy, Research, Stethorus.

667-69
A NEW GENUS BELONGING TO THE TRIBE PHARINI FROM THE NORTHERN PART OF THE RYUKYU ISLANDS (COLEOPTERA: COCCINELLIDAE).
M Miyatake
Shikoku Entomol Soc Trans 9(2):47-50
Sep 1966 420 SH6
Anatomy, Coccinellidae, Color, Insect identification, Insect taxonomy, Nesolotis, Research.

668-69
ICHNEUMONIDAE (HYMENOPTERA) COLLECTED IN PADDY FIELDS OF THE ORIENT, WITH DESCRIPTIONS OF NEW SPECIES. PART 3. SUBFAMILIES OPHIONINAE, CREMASTINAE AND ICHNEUMONINAE.
S Momoi
Mushi 41(17):215-220
28 Mar 1968 421 M97
Catalogs, Ichneumonidae, Insect taxonomy, Rice, Surveys, Zoogeography.

669-69
A KEY TO ICHNEUMONID PARASITES OF RICE STEM BORERS IN ASIA (HYMENOPTERA: ICHNEUMONIDAE).
S Momoi
Mushi 41(13):175-184
28 Mar 1968 421 M97
Catalogs, Chilo suppressalis, Ichneumonidae, Insect taxonomy, Parasitic insects, Rice, Zoogeography.

670-69
OBSERVATIONS AND RECORDS FOR SOME BRITISH THYSANOPTERA. VII. THRIPIDAE, THRIPS FLAVUS SCHRANK AND THRIPS BREVICORNIS PRIESNER.
G D Morison
Entomologist (london) 101(1264):205-212 REF
Sep 1968 421 EN8
Reports, Taxonomy, Thripidae, Thrips brevicornis, Thrips flavus, Thysanoptera.

671-69
NEW REARED NEOTROPICAL SPECIES OF ROGAS NEES (HYMENOPTERA: BRACONIDAE).
C F W Muesebeck
Entomol News (philadelphia) 71(10):257-261
Dec 1960 421 EN88
Insect identification, Insect rearing, Insect taxonomy, Research, Rogas.

672-69
A NEW GENUS AND SPECIES OF ARMOURED SCALE (HOMOPTERA: COCCOIDEA: DIASPIDIDAE) FROM ETHIOPIA.
J Munting
Entomol Soc Southern Afr J 31(1):209-211
Mar 1968 420 EN86
Diaspididae, Insect taxonomy.

673-69
CHLOROPID FLIES OF THE GENUS DICRAEUS LW. (DIPTERA, CHLOROPIDAE).
E P Narchuk
Entomol Rev 46(2,APR-JUN):245-256 MAP REF
Jun 1967 421 R322AE
Catalogs, Chloropidae, Insect biology, Insect genetics, Insect morphology, Insect taxonomy, Sex behavior, Zoogeography.

674-69
CALLIPHORA SUBALPINA (RINGDAHL) NEW FOR DENMARK AND OTHER SPECIES OF CALLIPHORA (DIPTERA: CALLIPHORIDAE) FOUND ON THE STINKHORN (PHALLUS IMPUDICUS). (DA)
B O Nielsen
Flora Fauna 73(2):68-70 REF
Jun 1967 410 F662
Calliphora, Insect taxonomy, Phallus impudicus, Zoogeography. English summary.

675-69
NOTES ON AND DESCRIPTIONS OF APHELIA, CLEPSIS AND CHORISTONEURA SPECIES (LEPIDOPTERA) TORTRILIDAE).
N S Obraztsov
N Y Entomol Soc J 76(4):240-252
Dec 1968 420 N48J
Catalogs, Insect taxonomy, Tortricidae.

676-69
SUPPLEMENTARY NOTES ON THE GENUS PSEUDOLIPRUS OF JAPAN (COLEOPTERA: CHRYSOMELIDAE-ALTICINAE).
M Ohno
Shikoku Entomol Soc Trans 9(2):44-46
Sep 1966 420 SH6
Alticinae, Anatomy, Insect identification, Insect names, Insect taxonomy, Research.

677-69
ON THE SYRPHID LARVAE ATTACKING THE APHIDS IN JAPAN (DIPTERA).
T Okuno
Mushi 41(10):123-141
03 Dec 1967 421 M97
Aphididae, Biological control (insects), Catalogs, Insect taxonomy, Larvae, Parasitic insects, Syrphidae, Zoogeography.

678-69
NEW SPECIES OF HORSE FLIES (DIPTERA, TABANIDAE) FROM PALAEARCTICA.
N G Olsufiyev
Entomol Rev 46(2,APR-JUN):225-231
Jun 1967 421 R322AE
Catalogs, Insect taxonomy, Tabanidae, Zoogeography.

679-69
LONGIUNGUIS ELISABETHAE, N. SP.. A NEW SWEDISH APHID (HEM.).
F Ossiannilsson
Entomol Tidskr 88(3-4):130-132
31 Dec 1967 421 EN891
Aphididae, Insect taxonomy.

680-69
CONTRIBUTION TO THE KNOWLEDGE OF THE TINEIDAE OF THE EASTERN MEDITERRANEAN. (GE)
G Petersen
Acta Ent Bohemoslov 1(65):52-66 REF
1968 420 C33
Entomology, Insect identification, Insect taxonomy, Tineidae.

681-69
THE STATUS OF THE NAME PROSIMULIUM ALBIONENSE ROTHFELS.
B V Peterson
Entomol Soc Ontario Proc 95:142-143
1964 420 ON8
Insect identification, Prosimulium albionense, Reports, Research, Taxonomy.

682-69
THE GENUS GYNANISA WALKER (LEPIDOPTERA: SATURNIIDAE).
E Pinhey
Entomol Soc Southern Afr J 31(1):123-132
Mar 1968 420 EN86
Africa, Insect taxonomy, Saturniidae.

683-69
DESCRIPTION OF TWO NEW BUPRESTIDAE. (GE)
H Pochon
Arbeitsgemeinsch Osterr Entomol Z 19(2/3):49-51
1967 421 W633
Buprestidae, Coleoptera, Insect taxonomy. Sternocera brunescens n. sp. from Tanganyika, and Julodis onopordi mandli n. ssp. from Asia Minor.

684-69
THE IMPORTANCE OF ACCURATELY IDENTIFYING SPECIMENS.
E J Popham
Entomologist (london) 100(1249):156
Jun 1967 421 EN8
Insect identification, Insect taxonomy.

685-69
A NEW SPECIES OF TRACHYSPHYRUS FROM THE ANDES OF ECUADOR (HYMENOPTERA, ICHNEUMONIDAE).
C C Porter
Psyche 74(1):27-33 MAP
Mar 1967 421 P95
Entomology, Ichneumonidae, Insect identification, Insect taxonomy, Trachysphyrus.

686-69
TWO NEW SPECIES OF MENOPONIDAE (MALLOPHAGA) FROM THE FALCONIFORMES.
R D Price
J Med Entomol 4(3):319-321
10 Aug 1967 421 J828
Insect identification, Insect taxonomy, Menoponidae, Research.

687-69
A REVIEW OF THE GENUS TURACOECA WITH DESCRIPTION OF A NEW SPECIES (MALLOPHAGA: MENOPONIDAE).
R D Price
Entomol Soc Wash Proc 70(3):258-263
Sep 1968 420 W27
Insect identification, Mallophaga, Menoponidae, Taxonomy, Turacoeca.

688-69
NEW STENINAE FROM THE SOVIET UNION INCLUDING COMMENTS ON SYNONYMS (COLEOPTERA, STAPHYLINIDAE). 53. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE. (GE)
V Puthz
Notuloe Entomol 48(3):93-102 REF
1968 421 N84
Catalogs, Insect taxonomy, Staphylinidae.

689-69
THE MACROPTEROUS FORM OF ULOPA TRIVIA GERMAR (HEM., CICADELLIDAE).
W J Quesne
Entomol Mon Mog (SER.4)99(287-8):201
Nov 1963 421 EN86
Color, Insect flight, Insect identification, Molting (insects), Research, Ulopa trivia.

690-69
COLEMBOLA FAUNA OF CHILE II. (SP)
E H Rapoport I Rubio
Acto Biol Venezuelico 6(1):52-67
31 Mar 1968 475 AC86
Catalogs, Collembola, Insect taxonomy.

691-69
NEUQUENAPHIS PAPILLATA, A NEW NOTHOFAGUS-INFESTING APHID FROM CHILE, WITH A REVIEW OF RELATED SPECIES FROM SOUTH AMERICA (HOMOPTERA: APHIDIDAE).
W R Richards
Con Entomol 100(11):1199-1207
Nov 1968 421 C16
Aphididae, Homoptera, Neuquenaphis papillata, Nothofagus, Taxonomy, Zoogeography.

692-69
A NEW SPECIES OF IZIPHYA FROM ONTARIO AND QUEBEC, WITH A REVIEW OF THE NEARCTIC SPECIES (HOMOPTERA: APHIDIDAE).
W R Richards
Can Entomol 100(11):1207-1226 REF
Nov 1968 421 C16
Aphididae, Homoptera, Iziphya, Taxonomy, Zoogeography.

693-69
CALAPHIS MANITOBENSIS, A NEW APHID COLLECTED ON BETULA PUMILA IN MANITOBA (HOMOPTERA: APHIDIDAE).
W R Richards
Can Entomol 100(11):1229-1230
Nov 1968 421 C16
Aphididae, Betula, Calaphis manitobensis, Homoptera, Taxonomy, Zoogeography.

694-69
A NEW GENUS OF PARASITIC TACHINID FLIES (DIPTERA, TACHINIDAE) FROM SOVIET CENTRAL ASIA.
V A Rikhter
Entomol Rev 46(2,APR-JUN):281-282
Jun 1967 421 R322AE
Catalogs, Insect taxonomy, Parasitic insects, Tachinidae, Zoogeography.

695-69
NOTES ON A FEW MEXICAN SCARABAEIDAE (COLEOPTERA).
M Robinson
Entomol News (philodelphio) 71(4).105-106
Apr 1960 421 EN88
Anomala insitiva, Ateuchus texanus, Bothynus selanderi, Color, Insect identification, Research, Scarabaeidae, Taxonomy.

696-69
PALEARCTIC SPECIES OF THE GENUS SPHENOMETOPA TOWNSEND (DIPTERA, SARCOPHAGIDAE).
B B Rodendorf
Entomol Rev 46(2,APR-JUN):264-273
Jun 1967 421 R322AE
Catalogs, Insect morphology, Insect taxonomy, Sarcophagidae, Zoogeography.

697-69
THE IMMATURE INSTARS OF THE CLEPTOPARASITIC GENUS DIOXYS (IIYMENOPTERA: MEGACHILIDAE).
J G Rozen
N Y Entomol Soc J 75(4):236-248 REF
Dec 1967 420 N48J
Dioxys, Insect taxonomy, Larvae.

698-69
DISTRIBUTION OF SEED BEETLES (COLEOPTERA, BRUCHIDAE) IN THE FOREST-STEPPE ZONE OF THE EASTERN UKRAINE.
A P Rybalko
Entomol Rev 46(1,JAN-MAR):92-96
Mar 1967 421 R322AE
Bruchidae, Food habits, Insect ecology, Surveys, Zoogeography.

699-69
A PRELIMINARY REVIEW OF THE GENUS ISONEUROTHRIPS AND THE SUBGENUS THRIPS (ISOTHRIPS) (THYSANOPTERA: THRIPIDAE).
K Sakimura
Pocific Insects 9(3):429-436
20 Aug 1967 421 P11
Catalogs, Insect taxonomy, Thripidae.

700-69
TWO NEW SPECIES OF CRAB SPIDERS (ARANEAE: THOMISIDAE) FROM NORTH DAKOTA.
R J Sauer
Con Entomol 100(11):1148-1150
Nov 1968 421 C16
Ebo dondalei, Spiders, Taxonomy, Thomisidae, Xysticus posti, Zoogeography.

701-69
ON THE SYNONYMS OF THE BARK BEETLES XVI. 242. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTOIDEA. (GE)
K E Schedl
Entomol Tidskr 88(3-4):141-163
31 Dec 1967 421 EN891
Catalogs, Insect taxonomy, Scolytidae, Zoogeography.

702-69
COLEOPTERA FROM NORTHEAST AFRICA. SCOLYTIDAE AND PLATYPODIDAE. 255. CONTRIBUTION TO THE MORPHOLOGY AND TAXONOMY OF THE SCOLYTIDAE. (GE)
K E Schedl
Notuloe Entomol 48(3):143-148 MAP
1968 421 N84
Catalogs, Insect morphology, Insect taxonomy, Scolytidae.

703-69
BITING MIDGES OF THE GENUS CULICOIDES MG. (DIPTERA, CERATOPOGONIDAE) FROM THE VALLEY OF THE MIDDLE REACHES OF THE DESNA.
A D Shevchenko
Entomol Rev 46(1,JAN-MAR):97-106 REF
Mar 1967 421 R322AE
Catalogs, Culicoides, Insect taxonomy.

704-69
TWO NEW CHLOROPS MG. (DIPTERA, CHLOROPIDAE) FROM KAZAKHSTAN.
Ye S Smirnov
Entomol Rev 46(2,APR-JUN):259-260
Jun 1967 421 R322AE
Catalogs, Chloropidae, Insect taxonomy, Zoogeography.

705-69
A NEW SPECIES OF AGATHYMUS AND A NEW SUBSPECIES OF MEGATHYMUS (LEPIDOPTERA, RHOPALOCERA, MEGATHYMIDAE).
D B Stallings J R Turner
Entomol News (philadelphio) 71(5):109-115
May 1960 421 EN88
Agathymus, Cuticle, Food plants, Insect identification, Megathymus, Research, Taxonomy.

706-69
A STATISTICAL STUDY OF THE TAXONOMY OF CASSIDINAE (COL. CHRYS.). (ABSTRACT). (GE)
W Steinhausen
Z Angew Entomol 61(4):407
May 1968 421 Z36
Cassidinae, Chrysomelidae, Insect taxonomy, Statistical analysis. To be published in full in Deutsche Entomologische Zeitschrift.

707-69
THE BUTTERFLY FAUNA OF PIAN SAN GIACOMO, MISOX, GRAUBUNDEN (A CONTRIBUTION TO THE LEPIDEPTORA FAUNA OF SWITZERLAND). (GE)
O Sterzl
Entomol Gesell Bosel 17(1):12-20
Mar 1967 QL461.E58
Insect collection, Insect taxonomy, Lepidoptera, Zoogeography. List of 185 Lepidoptera caught between 4 July and 10 August 1964.

708-69
THE GENUS SOMATIA SCHINER, II. (DIPTERA: SOMATIIDAE).
G C Steyskal
Entomol Soc Wosh Proc 70(3):255-257
Sep 1968 420 W27
Diptera, Insect identification, Somatiidae, Taxonomy.

709-69
TWO NEW BAGOUS-SPECIES FOR FINLAND (COLEOPTERA, CURCULIONIDAE). (SW)
S Stockmann
Notuloe Entomol 48(3):148
1968 421 N84
Curculionidae, Insect taxonomy.

710-69
DISCOVERY OF THE MALE OF THE GENUS PSEUDHOMALOPODA (HYMENOPTERA: CHALCIDOIDEA-ENCYRTIDAE).
T Tachikawa
Shikoku Entomol Soc Trans 9(1):29-30
Apr 1966 420 SH6
Anatomy, Cuticle, Habrolepis, Insect rearing, Pseudhomalopoda shikokuensis, Research.

711-69
THE LARVA OF HOMOSUSICA EUGRAPHA JANSE (LEPIDOPTERA: LIMACODIDAE).
J G Theron
Entomol Soc Southern Afr J 31(1):231-233
Mar 1968 420 EN86
Insect morphology, Larvae, Limacodidae.

712-69
SELECTION OF LECTOTYPES FOR SOME SPECIES OF EUXOA HUBNER DESCRIBED BY J. B. SMITH (LEPIDOPTERA: NOCTUIDAE).
E L Todd
Entomol Soc Wosh Proc 70(3):263-280 REF
Sep 1968 420 W27
Euxoa, Insect identification, Lepidoptera, Noctuidae, Taxonomy.

713-69
NOTES ON THE MALLOPHAGAN GENUS COMATOMENOPON AND DESCRIPTIONS OF TWO NEW SPECIES.
D W Tuff
J Med Entomol 4(3):247-250
10 Aug 1967 421 J828
Comatomenopon, Insect behavior, Insect identification, Research, Taxonomy.

714-69
COMMENTS ON POPULATION DYNAMICS OF EXOTIC INSECTS.
R Van Den Bosch
Entomol Soc Amer Bull 14(2):112-115
Jun 1968 423.9 EN8
Biological control (insects), Climate, Demography, Insect biology, Insects, Parasitic insects, Pest control, Population.

Species mentioned are Saissetia oleae, Metaphycus helvolus, Saissetia persimilis infesting Veronia, Apanteles flaviconchae, Colias eurytheme, Colias philodice, Therioaphis trifolii, Trioxys complanatus, Praon exsoletum, Aphelinus asychis, Epilachna varivestis, and Paradexoides epilachnae.

715-69
THE ORTHOPTERA OF ALASKA, YUKON AND THE MACKENZIE DISTRICT OF THE NORTHWEST TERRITORIES.
V R Vickery
Amer Entomol Soc Trons 93(3):249-278 MAP REF
Sep 1967 420 P53
Northwest Territory, Orthoptera, Taxonomy, Zoogeography.

716-69
DISCOVERY OF THE FEMALE OF PHEMIGOSTOLA SYNEMONISTIS STRAND, 1909 (LEP. AGARISTIDAE). (FR)
P Viette
Lambillionea 67(1/2):5-7
25 Feb 1968 420 N15
Entomology, Insect identification, Insect taxonomy, Phemigostola synemonistis.

717-69
NEW OR LITTLE KNOWN QUADRIFID NOCTUIDAE OF MADAGASCAR III. (LEP. NOCTUIDAE). (FR)
P Viette
Lambillionea 67(1/2):9-20
25 Feb 1968 420 N15
Entomology, Insect identification, Insect taxonomy, Noctuidae.

718-69
PIONOSOMUS NITENS NOV. SP., A NEW TYPE OF LYGAEIDAE FROM NORTH AFRICA (HEM. HET. LYGAEIDAE). (GE)
E Wagner
Deut Entomol Ges Mitt 26(5):78-80
31 Dec 1967 420 D482
Entomology, Insect identification, Insect taxonomy, Lygaeidae, Pionosomus nitens.

719-69
HARPOCERA CYPRIA NOV. SP., A NEW TYPE OF MIRIDAE FROM THE ISLAND oF CYPRUS (HEM. HET.). (GE)
E Wagner
Deut Entomol Ges Mitt 27(1):9-12
15 Mar 1968 420 D482
Entomology, Harpocera cypria, Insect identification, Insect taxonomy, Miridae.

720-69
ON A MIRID FROM MOROCCO (HETEROPTERA). (GE)
E Wagner
Notuloe Entomol 48(3):103-112
1968 421 N84
Catalogs, Insect taxonomy, Miridae.

721-69
TWO NEW MIRIDS FROM CYPRUS (HETEROPTERA). (GE)
E Wagner
Notulae Entomol 48(3):113-116
1968 421 N84
Insect taxonomy, Miridae.

722-69
THE GENUS ALLOEONOTUS FIEBER, 1878 (HETEROPTERA, MIRIDAE). (GE)
E Wagner
Notulae Entomol 48(3):117-125
1968 421 N84
Catalogs, Insect geography, Insect taxonomy, Miridae.

723-69
THE SUBGENUS COMPSOCEROCORIS REUTER, 1876 THE GENUS PHYTOCORIS FALLEN (HETEROPTERA, MIRIDAE). (GE)
E Wagner
Notulae Entomol 47(4):127-146
1967 421 N84
Catalogs, Insect geography, Insect taxonomy, Miridae.

724-69
THE BRITISH TERATOCORIS FIEBER 1858 (HEM., MIRIDAE) INCLUDING T. ELEGANS SP. NOV..
G E Woodroffe
Entomologist (london) 100(1252):229-237
Sep 1967 421 EN8
Catalogs, Miridae, Zoogeography.

725-69
A NEW GENUS AND SPECIES OF ORIBATELLID MITE FROM COLORADO (ACARINA: ORIBATEI).
T A Woolley
Kans Entomol Soc J 40(1):32-37 REF
Jan 1967 420 K13
Biology, Insect identification, Insect taxonomy, Oribatellidae, Research.

726-69
OBSERVATIONS ON THE INSECT LIFE OF CZECHOSLOVAKIA; TOGETHER WITH SOME NOTES ON OTHER FAUNA AND FLORA.
A Wootton
Entomologist (london) 100(1251):202-212 MAP
Aug 1967 421 EN8
Catalogs, Insects, Zoogeography.

727-69
NOTES ON SCIOMYZIDAE COLLECTED IN PADDY FIELD (DIPTERA), I.
K Yano
Mushi 41(15):189-200 REF
28 Mar 1968 421 M97
Catalogs, Insect taxonomy, Rice, Sciomyzidae, Surveys, Zoogeography.

728-69
LARVAL STAGES OF THE LEAF-MINERS FOUND IN SHIKOKU. (COLEOPTEROUS LEAF-MINERS OF JAPAN. VII).
T Yano
Shikoku Entomol Soc Trans 8(4):115-132
May 1965 420 SH6
Biology, Insect identification, Insect names, Insect taxonomy, Larvae, Leaf miners, Morphology, Research.

729-69
NEW RECORD OF AGRIOSPHODRUS DOHRNI SIGNORET FROM SHIKOKU (HEMIPTERA: REDUVIIDAE).
T Yano T Tachikawa
Shikoku Entomol Soc Trans 8(4):132
May 1965 420 SH6
Agriospodrus dohrni, Prunus yedoensis, Research, Taxonomy.

730-69
POLYPHYLLA HARRIS IN AMERICA, NORTH OF MEXICO. I. THE DIFFRACTA COMPLEX (COLEOPTERA: SCARABAEIDAE: MALOLONTHINAE).
R M Young
Amer Entomol Soc Trons 93(3):279-318 MAP REF
Sep 1967 420 P53
Coleoptera, Mexico, Polyphylla, Zoogeography.

731-69
SOME NEW OR LITTLE KNOWN SPECIES OF NON-GALL MAKING CECIDOMYIIDAE FROM HIKO-SAN (DIPTERA).
J Yukawa
Mushi 41(4):63-70 REF
10 Aug 1967 421 M97
Catalogs, Cecidomyiidae, Insect taxonomy, Zoogeography.

732-69
NEW SPECIES OF BOMBYLIIDAE (DIPTERA) FROM PALAEARCTICA.
V F Zaytsev
Entomol Rev 46)2,APR-JUN):242-244
Jun 1967 421 R322AE
Bombyliidae, Catalogs, Zoogeography.

733-69
A TABULAR SUMMARY OF THE SPECIES OF THE FRINGE-WINGED INSECT GENUS DENDOTHRIPS UZEL 1895.(THYSANOPTERA; THRIPIDAE). (GE
R Zur Strassen
Entomol Soc Southern Afr J 31(1):213-220
Mar 1968 420 EN86
Catalogs, Insect taxonomy, Thripidae, Zoogeography. English abstract

PHYSIOLOGY AND BIOCHEMISTRY

734-69
ACTIVITIES OF THE WORKING GROUPS. WORKING GROUP POPULATION DYNAMICS OF THE COLORADO BEETLE. (GE)
Entomophaga 5(1):3-5
1960 421 EN835
Demography, Insect behavior, Insect eggs, Leptinotarsa decemlineata, Pest control, Predaceous insects.

735-69
ACTIVITIES OF THE WORKING GROUPS. WORKING GROUP SAN JOSE LOUSE . (FR)
Entomophaga 5(1):5-6
1960 421 EN835
Ecology, Insect behavior, Pest control, Prospaltella perniciosi, Reproduction.

736-69
FOOD-PLANT SELECTION BY POECILOCERUS HIEROGLYPHICUS (KLUG) (ACRIDIDAE: PYRGOMORPHINAE) AND SOME OF THE RECEPTORS INVOLVED.
F T Abushama
Roy Entomol Soc London Proc Ser A Gen Entomol 43(7/9):96-104 REF
31 Oct 1968 420 L84PA
Antennae, Chemoreceptors, Feeding, Food plants, Grasshoppers, Insect behavior, Poeciloeerus hieroglyphicus, Research.

737-69
ON A VIRUS OF FLACHERIE IN THE SILK WORM, BOMBYX MORI. (FR
K Aizawa Y Furuta
Entomophaga Mem Hors Ser (2):373-376
1964 421 EN835M
Bombyx mori, Flacherie, Insect diseases. English summary.

738-69
SEASONAL AND DAILY CHIRPING CYCLES IN THE NORTHERN SPRING AND FALL FIELD CRICKETS, GRYLLUS VELETIS AND G. PENNSYLVANICUS.
R D Alexander G H Meral
Ohio J Sci 67(4):200-209 REF
Jul 1967 410 OH3
Gryllus pennsylvanieus, Gryllus veletis, Insect behavior, Research, Stridulation, Temperature, Time, Weather.

739-69
MYIOLIA CAESIO HARR. (DIPT., TRYPETIDAE) RECAPTURED NEAR ELTHAM, N. W. KENT; WITH A SUGGESTION AS TO THE PROBABLE HOST-PLANT.
A A Allen
Entomol Mon Mag (SER.4)99(287-8):214
Nov 1963 421 EN86
Forests, Insect behavior, Myiolia caesio, Research.

740-69
ALOPHORA OBESA F. (DIPT., TACHINIDAE) BRED FROM NEOTTIGLOSSA PUSILLA GMEL. (HEM., PENTATOMIDAE).
A A Allen
Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):35
1963 421 EN86
Food plants, Insect breeding, Larvae, Morphology, Pentatomidae, Research, Tachinidae.

741-69
THE OMMOCHROME I AS A PROBABLE PRECURSOR OF OMMIN IN OMMOCHROME SYNTHESIS OF PLODIA INTERPUNCTELLA AND EPHESTIA KUHNIELLA. (GE)
F F de Almeida
Z Vererbungslehre 102(4):307-315
15 Nov 1968 442.8 Z34
Chromatography, Ephestia, Insect physiology, Ommochromes, Plodia interpunctella, Pteridine. English abstract

742-69
LARVAE OF INJURIOUS BEETLES (COLEOPTERA) IN THE SOILS OF THE ARCHEDA FOREST FARM, VOLGOGRAD PROVINCE.
N S Andrianova
Entomol Rev 46(1,JAN-MAR):81-91 REF
Mar 1967 421 R322AE
Colcoptera, Insect ecology, Larvae, Surveys.

743-69
DESTRUCTION OF WASPS.
Anonymous
Phar J 201(5469):168
24 Aug 1968 396.8 P49
Benzene hexachloride, Carbon tetrachloride, Chemical control (insects), Chlordane, Cyanides, DDT, Dusting, Hymenoptera, Rotenone, Toxicity.

744-69
THE EFFECT OF ECOLOGICAL CONDITIONS ON THE APPEARANCE OF AN INTESTINAL BACTERIAL DISEASE IN THAUMETOPOEA PITYOCAMPA SCHIFF. (FR)
P Atger
Entomophaga Mem Hors Ser (2):507-509
1964 421 EN835M
Climate, Ecology, Insect diseases, Intestines, Larvae, Mortality, Temperature, Thaumetopoea pityocampa. English summary.

745-69
EFFECTS OF OXYGEN DEPRIVATION ON AQUATIC MIDGE LARVAE UNDER NATURAL AND LABORATORY CONDITIONS.
J M Augenfeld
Physiol Zool 40(2):149-158 REF
Apr 1967 410 P56
Aquatic insects, Chironomus plumosus, Glycogen, Insect metabolism, Insect rearing techniques, Lactic acid, Larvae, Oxygen.

746-69
SEPARATION OF FREE AMINO ACIDS AND DERIVATIVES IN THE TSETSE FLY GLOSSINA PALPALIS (DIPTERA) BY ION-EXCHANGE CHROMATOGRAPHY.
R A Balogun F Hanimann P S Chen
Experientia 25(1):93-95 REF
15 Jan 1969 475 EX7
Amino acids, Chemical analysis, Chromatography, Glossina, Pupae.

747-69
WASP NESTS.
C C Banks
New Zeal J Agr 116(2):64-65,67
Feb 1968 23 N48J
Chemical control (insects), DDT, Insect biology, Smoke, Vespidae.

The chemical control of wasps in New Zealand is discussed. The application techniques for gasoline, smoke and DDT are given.

748-69
A LIFE HISTORY STUDY OF THE ASH SEED WEEVILS, THYSANOCNEMIS BISCHOFFI BLATCHLEY AND T. HELVOLA LECONTE. (COLEOPTERA; CURCULIONIDAE).
J H Barger R H Davidson
Ohio J Sci 67(2):123-127
Mar 1967 410 OH3
Hibernation, Insect biology, Insect morphology, Larvae, Research, Thysanocnemis bischoffi, Thysanocnemis helvola.

749-69
CEROPLASTES RUSCI L. (HOMOPTERA, COCCOIDEA, LECANINAE) AN INTERESTING EXAMPLE FOR THE STUDY OF POPULATION DYNAMICS. (FR
C Benassy E Biliotti
Entomophaga 8(3):213-217 REF
1963 421 EN835
Ceroplastes rusci, Insect outbreaks, Moranila californica, Parasitic insects, Population, Scutellista cyanea, Tetrastichus. English summary.

750-69
RAISING CATERPILLARS WHY . (FR)
J T Betz
Alexanor 5(1):8-11
13 Apr 1967 421 AL2
Caterpillars, Entomologists, History, Insect rearing, Lepidoptera.

751-69
AN ATTEMPT TO DESCRIBE LIVING SPACE OF AN INSECT FORM (MODEL AND OUTDOOR EXPERIMENTS WITH DROSOPHILIDAE). (ABSTRACT). (GE
F Beye
Z Angew Entomol 61(4):456-457
May 1968 421 Z36
Attractants, Drosophila melanogaster, Insect behavior, Pigments (plant). To be published in Deutsch Entomolocische Zeitschrift.

752-69
THE OCCURRENCE OF DERMESTES PERUVIANUS LA PORTE AND DERMESTES HAEMORRHOIDALIS KUSTER (COL., DERMESTIDAE) IN BRITAIN.
E T Bezant
Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):30-31
1963 421 EN86
Dermestes haemorrhoidalis, Dermestes peruvianus, Great britain, Insect behavior, Insect identification, Research.

753-69
MORPHOLOGY, MUSCULATURE AND INERVATION OF THE REPRODUCTION ORGANS OF LETHOCERUS INDICUM (HEMIPTERA: BELOSTOMATIDAE).
S Bhargava
Kans Entomol Soc J 40(1):111-124 REF
Jan 1967 420 K13
Insect anatomy, Lethocerus indicum, Morphology, Reproductive organs, Research.

754-69
EFFECTS OF FUMIGANTS ON THE SPIRACLES AND THE POSSIBLE ROLE OF NEUROHUMOR ON THE SPIRACULAR ACTIVITY OF PERIPLANETA AMERICANA (L.).
S S Bhatia G T Tonapi
Experientia 24(12):1224-1225
15 Dec 1968 475 EX7
Fumigants, Insect neurophysiology, Insect physiology, Periplaneta americana, Spiracles.

755-69
A COMPARISON OF THE DEVELOPMENT OF METATHORACIS WING-PADS IN THE APTEROUS EARWIG, EUBORELLIA ANNULIPES (LUCAS) AND THE WINGED LABIDURA RIPARIA (PALLAS) (DERMAPTERA, LABIDURIDAE).
R D S Bhatnagar
Entomologist (london) 100(1250):189-192
Jul 1967 421 EN8
Development, Embryology, Insect physiology, Labiduridae.

756-69
THE MASS INCREASE IN THE POPULATION OF TORTRIX VIRIDANA L. (GE
A Birchler
Entomol Gesell Basel 17(1):7-8
Mar 1967 QL461.E58
Insect outbreaks, Population (insects), Population increase, Quercus, Tortrix viridana.

757-69
COMPARISON OF THE EFFECTIVENESS OF TWO PUPAL PARASITES IN FINDING A HOST. (GE)
H Bogenschutz
Z Angew Entomol 61(4):428-434
May 1968 421 Z36
Forest insects, Insect flight, Insect traps, Itoplectis conquisitor, Natural control (insects), Parasitic insects, Pimpla turionellae, Rhyacionia buoliana. English summary

758-69
MAJOR ENVIRONMENTAL FACTORS INDUCING THE TERMINATION OF LARVAL DIAPAUSE IN CHAOBORUS AMERICANUS JOHANNSEN (DIPTERA: CULICIDAE).
W E Bradshaw
Biol Bull 136(1):2-8
Feb 1969 442.8 B52
Chaoboridae, Diapause, Insect adaptation, Insect nutrition, Photoperiodism.

The termination of diapause in Chaoborus americanus is dependent upon the photoperiod and available food source. Although light may be the major stimulus in winter and food supply in spring and summer, the combined effects are not additive but synergistic.

759-69
STUDIES ON NORTH AMERICAN ANTS. II. MYRMECINA.
W L Brown
Entomol News (philadelphia) 78(9):233-240
Nov 1967 421 EN88
Color, Insect identification, Myrmecina, Research.

760-69
ON THE RELATIONSHIPS BETWEEN FOREST BIRDS AND FOREST ANTS. (GE
H Bruns
Entomophaga 5(1):77-80
1960 421 EN835
Birds, Competition, Forest insects, Forests, Formica polyctena, Formica rufa.

761-69
CHARACTERIZATION OF THE THERMOSTABLE TOXIN IN THE DIFFERENT INDUSTRIAL PREPARATIONS OF BACILLUS THURINGIENSIS BERLINER. (FR)
A Burgerjon
Phytiat-phytopharm 16(2):83-89 REF
Jun 1967 464.8 P564
Biological assay, Biological control (insects), Heat, Mamestra brassicae, Pieris brassicae, Toxins.

762-69
THE HOST AND PRESENT STATUS OF ALYSIA RIDIBUNDA SAY IN MISSOURI (HYMENOPTERA: BRACONIDAE).
L P Jr. Burgess C W Wingo
Entomol Soc Wash Proc 70(3):204-208
Sep 1968 420 W27

Alysia ridibunda, Hymenoptera, Insect behavior, Parasitism, Ravinia assidua.

763-69
ENTOMOLOGICAL EVALUATION WITHIN THE COLUSA PROJECT.
W E Burgoyne K G Whitesell N B Akesson
Dawn Earth 24(2,FALL):13-15
1968 381 D75
Aerial spraying, Anopheles, Chemical control (insects), Culex, Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O i, Larvicides, Rice, Tables (data), Temperature.

764-69
THE ESTABLISHMENT OF A LABORATORY COLONY OF THE TOMATO HORNWORM PROTOPARCE QUINQUEMACULATA HAW. (LEPIDOPTERA: SPHINGIDAE).
J K Campbell
Entomol Soc Ontario Proc 95:143-146
1964 420 ON8
Eggs, Feeding, Insect cages, Insect rearing, Laboratories, Larvae, Manduea quinquemaculata, Research.

765-69
AGE STRUCTURE, POPULATION DYNAMICS AND VECTOR POTENTIAL OF PHLEBOTOMUS IN NORTHERN CALIFORNIA. I. DISTINGUISHING PAROUS FROM NULLIPAROUS FLIES.
B N Chaniotis J R Anderson
J Med Entomol 4(3):251-254 REF
10 Aug 1967 421 J828
Anatomy, Demography, Glands (insects), Insect rearing, Laboratories, Phlebotomus, Viscera.

766-69
SOME OBSERVATIONS ON THE ECOLOGY OF PHYTOSEIID MITES (ACARINA: PHYTOSEIIDAE) IN CALIFORNIA.
D A Chant C A Fleschner
Entomophaga 5(2):131-139
1960 421 EN835
Acarina, Ecology, Phytoseiidae.

767-69
SOME SPECIES OF LEPTOCONOPS OF THE ORIENTAL AND PACIFIC REGIONS (DIPTERA, CERATOPOGONIDAE).
N Chanthawanich M D Delfinado
J Med Entomol 4(3):294-303 REF
10 Aug 1967 421 J828
Geography, Insect identification, Insect names, Insect taxonomy, Leptoconops, Research.

768-69
FREE AMINO ACIDS AND DERIVITIVES IN EGGS OF DROSOPHILA, CULEX AND PHORMIA. (GE)
P S Chen F Hanimann H Briegel
Rev Suisse Zool 74(3):570-589 REF
Dec 1967 410 R324
Amino acids, Culex, Drosophila melanogaster, Eggs, Insect biochemistry, Insect physiology, Phormia. English and French abstracts

769-69
COMBINED UTILIZATION OF ENTOMOPHAGES AND MICROORGANISMS WITH A VIEW OF REPLACING OR LIMITING THE USE OF CHEMICAL TREATMENTS. (FR)
V A Chepetilnikova N S Fedorintchik
Entamaphaga Mem Hors Ser (2):511-514
1964 421 EN835M
Bacillus cereus, Biological control (pests), Chemical control (pests), Diataraxia oleracea, Insect pests, Mamestra brassicae, Microorganisms, Parasitic insects, Pieris brassicae, Pieris rapae, Trichogramma. English summary.

770-69
PHOTOPERIODISM IN THE HONEY BEE, APIS MELLIFERA L. (HYMENOPTERA, APIDAE).
A V Cherednikov
Entamol Rev 46(1 JAN-MAR):33-37
Mar 1967 421 R322AE
Apis mellifera, Hibernation, Insect behavior, Insect physiology, Photoperiodism.

771-69
MANIFESTATIONS OF VIRAL INFECTION IN AGROTIS SEGETUM SCHIFF. AND IN HADENA SORDIDA BKH UNDER CONDITIONS OF THE SIMULTANEOUS EXISTENCE OF TWO VIRUSES. (FR)
O I Chvetzova
Entomophaga Mem Hors Ser (2):393-396
1964 421 EN835M
Agrotis segetum, Granuloses, Hadena sordida, Insect diseases, Larvae, Mortality, Polyhedroses, Temperature, Tissues. English summary.

772-69
SIBLING SPECIES IN THE EURYTOMA ROSAE GROUP. (HYM., EURYTOMIDAE).
M F Claridge R R Askew
Entomophaga 5(2):141-153 REF
1960 421 EN835
Eurytoma rosae, Eurytomidae, Hymenoptera, Taxonomy.

773-69
SOME ELEMENTARY STATISTICS FOR THE ENTOMOLOGIST. VI. THE ANALYSIS OF VARIANCE.
F M M Clarke
Entomologist (london) 100(1250):181-183
Jul 1967 421 EN8
Methodology, Statistical analysis, Variance analysis.

774-69
ECOLOGICAL NOTES ON SOME ANTHOPHAGUS SPECIES IN BRITAIN AND NORTHERN NORWAY (COLEOPTERA, STAPHYLINIDAE).
M F Clhridge D M Murphy
Entomologist (london) 100(1250):184-188
Jul 1967 421 EN8
Ecology, Staphylinidae, Zoogeography.

775-69
THE IMPORTANCE OF THE ISOTOPE DILUTION IN THE STUDY OF THE RENEWAL OF PHOSPHORUS DURING-LARVAL GROWTH OF PLODIA INTERPUNCTELLA. (FR)
G Couture L Huot J M Perron
J Insect Physiol 14(11):1559-1565 REF
Nov 1968 421 J825
Biochemistry, Insect physiology, Isotopes, Larvae, Phosphorus, Plodia interpunctella, Radioactivity. English summary

776-69
STUDIES ON FREE COLONIES OF CRYPTOCERUS TEXANUS SANTSCHI (HYMENOPTERA: FORMICIDAE).
W S Creighton
Psyche 74(1):34-41
Mar 1967 421 P95
Cryptocerus texanus, Formicidae, Insect behavior, Light, Research, Social insects, Temperature.

777-69
REARING MANTISPA VIRIDIS WALKER IN THE LABORATORY (NEUROPTERA, MANTISPIDAE).
J A Davidson
Entomol News (philadelphia) 80(2):29-31
Feb 1969 421 EN88
Insect rearing, Life cycle, Mantispidac.

778-69
2,4-HEXADIENYL BUTYRATE AND RELATED COMPOUNDS HIGHLY ATTRACTIVE TO YELLOW JACKETS (VESPULA SPP.).
H G Davis G W Eddy T P McGovern M Beroza
J Invertebrate Pathol 4(3):275-280
10 Aug 1967 421 J828
Attractants, Esters, Hexadienyl butyrate, 2,4-, Organic compounds, Research, Traps, Vespula.

779-69
TREEHOPPERS OF CERTAIN MISSISSIPPI RIVER ISLANDS (HOMOPTERA, MEMBRACIDAE).
C J Dennis
Entomol News (philadelphia) 80(2):32-33
Feb 1969 421 EN88
Insect ecology, Membracidae, Quercus, Surveys.

780-69
ELECTROPHYSIOLOGICAL RESPONSES OF THE CHEMORECEPTORS OF THE BLOWFLY TO SODIUM SALTS OF FATTY ACIDS.
V G Dethier F E Hanson
Nat Acad Sci Proc 60(4):1296-1303 REF
Aug 1968 500 N21P
Chemoreceptors, Electrophysiology, Phormia regina, Sodium salts.

781-69
ASPECTS OF THE BIOLOGY OF CHILICOLA ASHMEADI IN COSTA RICA (HYMENOPTERA: COLLETIDAE).
G C Eickwort
Kans Entomol Soc J 40(1):42-73 REF
Jan 1967 420 K13
Chilicola ashmeadi, Cuticle, Eggs, Insect behavior, Insect biology, Insect identification, Morphology, Pollination, Research.

782-69
FEEDING AND CROP EMPTYING IN THE COCKROACH LEUCOPHAEA MADERAE.
F Englemann
J Insect Physiol 14(11):1525-1531
Nov 1968 421 J825
Crops, Feeding, Food consumption, Insect physiology, Leucophaea maderae, Nervous system, Research.

783-69
THE SPERMATOPHORE OF TETRIX LATREILLE (ORTHOPTERA: TETRIGIDAE).
R A Farrow
Entomol Mon Mag (SER.4)99(287-8):217-223
Nov 1963 421 EN86
Anatomy, Biology, Insect cages, Morphology, Research, Spermatophores, Tetrix, Viscera.

784-69
DETECTION OF ANTIBODY AND ANTIGEN IN THE MILKWEED BUG, ONCOPELTUS FASCIATUS.
D Feir G T Schmidt
Experientia 24(12):1217-1218 REF
15 Dec 1968 475 EX7
Antibodies, Antigens, Immunity, Insect biochemistry, Oncopeltus fasciatus.

785-69
SAWFLIES (HYM., SYMPHYTA) IN BERKSHIRE: ADDENDA AND CORRIGENDA.
J C Felton
Entomol Mon Mag (SER 4)99(277-9 JAN-MAR):64
1963 421 EN86
Research, Symphyta.

786-69
PRELIMINARY ATTEMPTS AT CONTROL OF THE LARVA OF COMMON COCKCHAFER MELOLONTHA MELOLONTHA L. BY MEANS OF MYCOSIS OF BEAUVERIA TENELLA (DELACR.) SIEMASZKO. (FR)
P Ferron
Phytiat-phytopharm 16(2):115-123
Jun 1967 464.8 P564
Beauveria tenella, Biological control (insects), Entomogenous fungi, Larvae, Melolontha melolontha.

787-69
THE IDENTIFICATION OF OTIORRHYNCHUS LARVAE FROM BLACKCURRANT ROOTS WITH DESCRIPTION OF THE LARVAE OF O. CLAVIPES (BONSD.) AND O. SINGULARIS (L.) (COL., CURCULIONIDAE).
V W Fowler

Entomol Mon Mag (SER.4)99(287-8):210-212
Nov 1963 421 EN86
Anatomy, Color, Currants, Insect identification, Insect rearing, Larvae, Morphology, Otiorhynchus, Otiorhynchus clavipes, Otiorhynchus singularis.

788-69
AUSTRALIA'S BIRD-SNARING SPIDERS AND OTHERS.
H Franuca
Entomologist (london) 100(1252).238-240
Sep 1967 421 EN8
Araneae, Food habits, Insect behavior.

789-69
OBSERVATIONS ON THE REARING OF PERILLUS BIOCULATUS (FABR.) (HETEROPT. PENTATOMIDAE), A PREDATOR OF THE COLORADO BEETLE, IMPORTED FROM NORTH AMERICA. (GE)
J Franz A Szmidt
Entomophaga 5(2):87-110 REF
1960 421 EN835
Heteroptera, Insect rearing, Leptinotarsa decemlineata, Perillus bioculatus, Predaceous insects. English summary

790-69
NOTES ON THE SYSTEMATICS AND MORPHOLOGY OF THE LACEBUG SUBFAMILY CANTACADERINAE (HEMIPTERA: TINGIDAE).
R C Froeschner
Entomol Soc Wash Proc 70(3):245-254 REF
Sep 1968 420 W27
Cantacaderinae, Hemiptera, Insect physiology, Morphology.

791-69
THE STRUCTURE OF THE DAMAGE DONE BY CHILO SUPPRESSALIS IN THE FIRST OUTBREAK AREA. I. RELATION OF BORING STAGE TO GROWTH OF LARVAE AND AMOUNT OF RICE PLANTS DAMAGED. TRANSL. 16860.
K Fujita A Toki
12 P.
Chilo suppressalis, Insect outbreaks, Insect pests, Insect physiology, Larvae, Plant injuries, Rice. Translation from An. Rpt. Soc. Plant Protection 15:83-86, 1964. translated by Ayako Iimura.

792-69
INFLUENCE OF THE NATURE OF REARING MEDIA ON THE SENSITIVITY OF THE LARVAL STAGE OF MUSCA DOMESTICA LINNAEUS TO THE THERMOSTABLE TOXIN OF BACILLUS THURINGIENSIS BERLINER. (FR
P F Galichet
Phytiat-phytopharm 16(2):97-104 REF
Jun 1967 464.8 P564
Bacillus thuringiensis, Culture media, Heat, Insect rearing, Larvae, Mortality, Musca domestica, Toxins.

793-69
PARASITES OF SOCIAL WASPS (VESPIDAE). (GE)
R Gauss
Z Angew Entomol 61(4):453-454
May 1968 421 Z36
Parasitic insects, Social insects, Vespidae.

794-69
HOST RANGE OF INSECT VIRUSES. (FR)
S Gershenson
Entomophaga Mem Hors Ser (2):361-372 REF
1964 421 EN835M
Host range, Lepidoptera, Polyhedroses, Tipula iridescent virus, Virus diseases (insects). English summary.

795-69
INTERACTIONS BETWEEN INDIVIDUALS AND SOCIAL PHENOMENA. (FR
J Geruet
Arch Neer Zool 18(2):205-252 REF
Jul 1968 410 AR27
Chemoreceptors, Insect ecology, Sense organs, Social insects. English and German abstracts

Thc author presents an analytical review showing that social behavior is dependent upon the existence of sensory codes, that these are not confined to the social animals, and that the degree of socilaization may bc regarded as the scope of the code repertiorc for a given species.

796-69
MORPHOLOGY AND RELATIONSHIPS OF THE MALE OF AN ASTEROLECANIUM SPECIES (HOMOPTERA: COCCOIDEA: ASTEROLECANIIDAE).
J H Giliomee
Entomol Soc Southern Afr J 31(2):297-308 REF
Sep 1968 420 EN86
Asterolecaniidae, Insect evolution, Insect morphology, Reproductive organs.

797-69
EXPERIMENTS WITH RADIOACTIVE ISOTOPES ON FOREST ANTS. (GE)
K Goesswald W Kloft
Entomophaga 5(1):33-41 REF
1960 421 EN835
Forest insects, Formicidae, Isotopes, Radioactivity, Research.

798-69
NEW WAYS FOR THE DIFFERENTIATION OF THE GROUPS OF FOREST ANTS (HYMENOPTERA, FORMICIDAE). (GE)
K Goesswald G Schmidt
Entomophaga 5(1):13-31 REF
1960 421 EN835
Chromatography, Formica rufa, Formicidae, Hymenoptera, Insect identification, Morphology.

799-69
INTRANUCLEOLAR DNA IN THE SALIVARY GLAND CELLS OF THE MELONFLY, DACUS CUCURBITAE.
H N B Gopalan C M S Dass
Experientia 24(12):1190-1191 REF
15 Dec 1968 475 EX7
Dacus cucurbitae, Deoxyribonucleic acid, Insect biochemistry, Insect cytology, Salivary glands (insects).

800-69
REFLECTIONS ON EPIZOOTIOLOGY. (FR)
P Grison
Entomophaga Mem Hors Ser (2):483-506 REF
1964 421 EN835M
Biological control (insects), Dosage, Economic entomology, Epidemiology, Insect diseases, Insect ecology, Insect pests, Microorganisms. English summary.

801-69
CURRENT ACCOMPLISHMENTS AND PERSPECTIVES OF THE MICROBIOLOGICAL CONTROL. (FR)
P Grison
Phytiat-phytopharm 16(2):63-74 REF
Jun 1967 464.8 P564
Bacillus thuringiensis, Biological control (insects), Insect diseases, Integrated control (insects), Microorganisms, Viruses.

802-69
SYSTEMATIC INVESTIGATIONS OF WEATHER-CONTROLLED FLIGHT AND MIGRATION PHENOMENA OF VIRUS-CARRYING INSECTS IN WESTERN, NORTHERN, AND SOUTHERN GERMANY. (GE)
E Haine
Z Angew Entomol 61(4):435-441 REF
May 1968 421 Z36
Aphididae, Insect ecology, Insect flight, Insect migration, Insect pests, Insect vectors, Plant disease transmission, Virus diseases (plants), Weather. English summary.

803-69
A RAPID METHOD OF MARKING CORN EARWORM MOTHS WITH DYES FOR RELEASE STUDIES.
E A Harrell J W Snow
U S Agr Res Serv ARS (42-149):6P
Nov 1968 A58.9 R31
Aerosols, Biological control (insects), Chemosterilants, Dyes, Heliothis zea, Labeling, Research, Spraying, Tepa.

804-69
OXYGEN UPTAKE OF SINGLE INSECTS DETERMINED WITH A POLAROGRAPHIC OXYGEN ELECTRODE.
D K Hayes M S Schechter E Mensing J Horton
Anal Biochem 26(1):51-60 REF
10 Oct 1968 381 AN13
Biochemistry, Insect physiology, Insect respiration, Oxygen, Oxygen electrodes, Polarography.

805-69
THE DEVELOPMENT OF THE POLYHEDROSIS VIRUS AFTER ORAL INFECTION OF GALLERIA MELLONELLA L. (FR)
F Heitor
Entomophaga Mem Hors Ser (2):455-458
1964 421 EN835M
Galleria mellonella, Insect diseases, Polyhedroses, Tissue culture. English summary.

806-69
FIVE GEOMETRIDAE OF CORSICA. (FR)
C Herbulot
Alexanor 5(6):244-246
1968 421 AL2
Entomology, Geometridae, Insect identification, Insect taxonomy.

807-69
THE TECHNIQUE OF DETERMINING THE EFFECTIVENESS OF BACILLUS THURINGIENSIS PREPARATIONS (SPORE- ENDOTOXIN - COMPLEX) ON CATERPILLARS IN THE LABORATORY. (GE)
W Herfs
Entomophaga 8(3):163-181 REF
1963 421 EN835
Bacillus thuringiensis, Methodology, Mortality, Pieris rapae, Porthetria dispar. English summary.

808-69
THE INFLUENCE OF CHEMICAL PLANT PROTECTION PREPARATIONS ON BENEFICIAL INSECTS. (GE)
W Herfs
Z Angew Entomol 61(4):407-412
May 1968 421 Z36
Beneficial insects, Pesticides, Plant protection.

809-69
DEVELOPMENTAL EFFECTS OF X-RAYS ON EMBRYOS OF DROSOPHILA MELANOGASTER.
P E Hildreth
Nat Acad Sci Proc 58(5):1924-1929
Nov 1967 500 N21P
Drosophila melanogaster, Embryology, Insect physiology, X-rays.

810-69
OBSERVATION OF THE SEXUAL BEHAVIOR OF HOFMANNOPHILA PSEUDOSPRETELLA. (ABSTRACT). (GE)
G Hoeller
Z Angew Entomol 61(4):446
May 1968 421 Z36
Geotropism, Hofmannophila pseudospretella, Insect behavior, Olfactometers, Scent glands, Sex behavior. To be published in 62(1), 1968, of this journal.

811-69
THE GENUS DIARTHROPHALLUS TRAGARDH, 1946 (ACARINA: DIARTHROPHALLIDAE).
P E Hunter S Glover
Entomol Soc Wash Proc 70(3):193-197

Sep 1968 420 W27
Acarina, Anatomy, Diarthrophallus, Insect physiology, Larvae.

812-69
COMPARED ACTIVITY OF THE DIFFERENT PATHOGENS TO THE LARVAE OF COMMON COCKCHAFER (MELOLONTHA MELOLONTHA L.). (FR)
B Hurpin P H Robert
Phytiat-phytopharm 16(2):105-113 REF
Jun 1967 464.8 P564
Insect diseases, Larvae, Melolontha melolontha, Temperature.

813-69
SURVIVAL OF EGGS OF ERETMAPODITES CHRYSOGASTER GRAHAM (DIPTERA: CULICIDAE).
A R Hylton
J Med Entomol 4(3):374-375
10 Aug 1967 421 J828
Breeding, Culicidae, Eggs, Eretmapodites chrysogaster, Insect protective devices, Ovipositors, Research, Storage.

814-69
THE IMPORTANCE OF MORTALITY FACTORS ON THE OCCASION OF THE MASS-APPEARANCE OF THE NUNMOTH IN THE FORESTED DISTRICT OF LOWER AUSTRIA, 1964-1967. (GE)
E Jahn
Z Angew Entomol 61(4):387-393
May 1968 421 Z36
Insect outbreaks, Lymantria monacha, Mortality, Natural control (insects), Parasitic insects, Predaceous insects. English summary.

815-69
THE POLYHEDROSIS OF MAMESTRA BRASSICAE. (GE)
J Jasic J Veber
Entomophogo Mem Hors Ser (2):453-454
1964 421 EN835M
Insect diseases, Mamestra brassicae, Polyhedroses. English summary.

816-69
CHRYSOLINA AMERICANA (L.) (COL., CHRYSOMELIDAE) IN BRITAIN.
C Johnson
Entomol Mon Mog (SER.4)99(287-8):228-229
Nov 1963 421 EN86
Chrysolina americana, Color, Hibernation, Insect behavior, Insect identification, Insect migration.

817-69
OBSERVATIONS ON POSTEMBRYONIC DEVELOPMENT IN EUTROMBICULA SPLENDENS (ACARI-ACARIFORMES).
D E Johnston R R Wacker
J Med Entomol 4(3):306-310 REF
10 Aug 1967 421 J828
Eutrombicula splendens, Larvae, Molting (insects), Morphology, Nomenclature, Research.

818-69
HISTOCHEMISTRY OF SPERMATOGENESIS IN THE SPIDER LYCOSA CHAPERI.
U Kanwar
Ponjab Univ Res Bull (N s)18(PT 1-2):95-108 REF
Jun 1967 513 EA72
Chemical analysis, Cytology, Histochemistry, Lycosa, Spermatogenesis.

819-69
DISTRIBUTION OF NITROGEN DURING THE EMBRYONIC DEVELOPMENT OF THE MEALWORM, TENEBRIO MOLITOR LINNAEUS.
R P Kelly D Ludwig
N Y Entomol Soc J 75(1):45-53 REF
Mar 1967 420 N48J
Biochemistry, Embryology, Insect morphology, Insect physiology, Nitrogen, Tenebrio molitor.

820-69
THE STRUCTURE OF THE DEFENSE GLANDS IN ALLECULIDAE AND LAGRIIDAE (COLEOPTERA).
D A Kendall
Roy Entomol Soc London Trons 120(PT 5):17P
08 Oct 1968 420 L84
Abdomen, Alleculidae, Coleoptera, Glands (insects), Histology, Illustrations, Insect anatomy, Insect protective devices, Lagriidae.

821-69
DIFFERENTIAL SPECTRA OF CYTOCHROMES IN DEVELOPMENT OF THE FLIGHT-MUSCLES IN ANTHERAEA PERNYI.
A K Klepke J W Michejda
Acto Ent Bohemoslov 1(65):1-4 REF
1968 420 C33
Antheraea pernyi, Biogenesis, Cytochromes, Feeding, Hormones, Insect flight, Insect morphology, Mitochondria, Muscles, Research, Temperature, Tissues.

822-69
THE USE OF RADIOACTIVE ISOTOPES AND OF IONIZING RAYS IN APPLIED ENTOMOLOGY. (GE)
W Kloft
Z Angew Entomol 61(4):413-422 REF
May 1968 421 Z36
Economic entomology, Isotopes, Radiation, Radioactive tracers.

823-69
INSECTS DESTROY THEMSELVES. (GE)
W Kloft
Entomol Gesell Basel 17(3):78-87
Sep 1967 QL461.E58
Aerial spraying, Chemosterilants, Cochliomyia hominivorax, Insect control, Insect eggs, Insecticides, Irradiation, Sex attractants, Sterilization (insects).

824-69
TROPHIC SYMBIOSIS BETWEEN FOREST ANTS AND PLANT LICE WITH STUDIES ON THE RECIPROCAL EFFECTS BETWEEN PLANT LICE AND PLANT TISSUES. (GE)
W Kloft
Entomophogo 5(1):43-54 REF
1960 421 EN835
Aphididae, Forest insects, Formicidae, Phloem, Plants, Research, Symbiosis, Tissues.

825-69
THE ADAPTIVE FEEDING HABIT OF A PINE CATERPILLAR.
A B Klots
N Y Entomol Soc J 75(1):43-44
Mar 1967 420 N48J
Food habits, Larvae, Noctuidae, Pinus strobus.

826-69
THE DISPERSION OF THE RESETTLEMENT OF DENDROCTONUS MICANS KUGEL. ON PICEA ORIENTALIS LINK, IN THE BORSHOM GORGE.
D N Kobachidze T G Nisharadze T S Imnadze T D Kobachidze
Anz Schadlingskunde 41(8):116-118
Aug 1968 421 AN9
Chemical control (insects), Dendroctonus micans, Insect flight, Insect migration, Picea orientalis, Spraying, Weather.

827-69
PALEARCTIC SPECIES OF EGG PARASITES OF THE GENUS TELENOMUS HALIDAY (HYMENOPTERA, SCELIONIDAE, TELENOMINAE).
M A Kozlov
Entomol Rev 46(2, APR-JUN):215-224 REF
Jun 1967 421 R322AE
Catalogs, Natural control (insects), Telenomus.

828-69
CONTRIBUTION TO THE STUDY OF THE POPULATION DYNAMIC OF INSECTS: I. STIMULATING ACTION OF THE HOST, ACROLEPIA ASSECTELLA Z., ON THE MULTIPLICATION OF AN HYMENOPTERA ICHNEUMONIDAE (DIADROMUS SP.). (FR)
V Labeyrie
Entomophoga Mem Hors Ser (1):193P REF
Feb 1960 421 EN835M
Acrolepia assectella, Demography, Fertility, Hymenoptera, Insect behavior, Ovulation, Reproduction, Research, Tables (data). English summary.

829-69
LIFE HISTORY, HABITAT, AND TAXONOMIC CHARACTERS OF THE LARVA OF MOCHLONYX FULIGINOSUS.
R W Lake
Entomol News (philodelphio) 80(2):34-37
Feb 1969 421 EN88
Culicidae, Habitats, Insect biology, Insect morphology, Insect taxonomy, Life cycle.

830-69
A REVIEW OF THE BRITISH TRIGONOTYLUS (HETEROPTERA:MIRIDAE, MIRINAE).
I Lansbury
Entomol Mon Mog (SER.4)99(287-8):230-232
Nov 1963 421 EN86
Color, Cuticle, Insect identification, Research, Trigonotylus psammaecolor, Trigonotylus ruficornis.

831-69
CELLULAR DIFFERENTIATION AND PATTERN FORMATION DURING METAMORPHOSIS OF THE MILKWEED BUG ONCOPELTUS.
P A Lawrence
Develop Biol 19(1):12-40 REF
Jan 1969 442.8 D49
Analogs, Insect cytology, Juvenile hormone, Metamorphosis, Oncopeltus fasciatus.

832-69
A DESCRIPTION OF TWO MAGDALIS LARVAE (COL. CURC.) AND A COMPARISON BETWEEN THESE AND THE SCOLYTUS LARVAE (COL. SCOL.).
B Lekander
Entomol Tidskr 88(3-4):123-129
31 Dec 1967 421 EN891
Curculionidae, Insect morphology, Larvae, Scolytidae.

833-69
DOSAGE STUDIES WITH LOW VOLUME APPLICATIONS OF DURSBAN INSECTICIDE.
H W Lembright
Down Earth 24(2,FALL):16-19
1968 381 D75
Aedes melanimon, Aedes nigromaculis, Aerial spraying, Anopheles freeborni, Chemical control (insects), Culex tarsalis, Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O d, Insecticide application, Insecticides, Rice.

834-69
ON THE EFFECT OF LOWER TEMPERATURES ON SEVERAL SAWFLY LARVAE (HYMENOPTERA, TENTHREDINIDAE). (GE)
E Lindqvist
Notulae Entomol 47(4):164
1967 421 N84
Development, Larvae, Temperature, Tenthredinidae.

835-69
PARASITES OF LADYBIRDS (COLEOPTERA, COCCINELLIDAE) IN LENINGRAD PROVINCE.
Yc Yu Lipa V P Sem'yanov
Entomol Rev 46(1,JAN-MAR):43-45 REF
Mar 1967 421 R322AE
Coccinellidae, Fungi, Insects, Microorganisms, Natural control (insects), Parasitism.

836-69
LIFE CYCLE AND DEVELOPMENT OF LEIOPHRON PALLIPES CURTIS (HYMENOPTERA: BRACONIDAE, EUPHORINAE) IN FIVE MIRID HOSTS IN THE BELLEVILLE DISTRICT.
C C Loan
Entomol Soc Ontario Proc 95:115-121
1964 420 ON8
Aging, Food plants, Insect identification, Insects, Leiophron pallipes, Morphology, Parasitism, Research.

837-69
THE ECOLOGY OF THE PUGNACIOUS ANT, ANOPLOLEPIS CUSTODIENS (SMITH) (HYMENOPTERA: FORMICIDAE), IN THE CENTRAL ORANGE FREE STATE--I. THE ABOVE-GROUND ACTIVITY LEVEL OF WORKERS. (AF)
J F Loun
Entomol Soc Southern Afr J 31(2):241-248
Sep 1968 420 EN86
Formicidae, Insect behavior, Insect ecology. English abstract

838-69
AN INTERESTING BROOD OF EUDIA PAVONIA (ATTACIDAE). (FR)
G Luquet
Alexanor 5(1):2-7
13 Apr 1967 421 AL2
Hymenoptera, Insect eggs, Insect rearing, Insect taxonomy, Larvae, Parasitism, Pupae, Saturniidae.

839-69
TOLERANCE OF SPRUCE BUDWORM TO MALATHION; MONTANA, NEW MEXICO POPULATIONS SHOW NO DIFFERENCES.
R L Lyon M Page S J Brown
USDA Forest Serv Res Note PSW- 173:1-6
1968 A99.9 F7652
Chemical control (pests), Choristoneura occidentalis, Insecticides, Malathion, Population statistics, Spraying, Tables (data).

840-69
INSECTICIDE INDEX; AN INDEX INCLUDING FULL DETAILS OF THOSE ALREADY USED, OR OF POTENTIAL FUTURE USE, FOR LOCUST CONTROL.
R D MacCuaig
77P REF ROME, ITALY, FOOD aND AGRICULTURE ORGANIZATION
Jul 1966 SB945.L7M33
Acrididae, Chemical control (insects), Experimental insects, Indexing, Insecticides. Over 100 insecticides are discussed.

841-69
ECOLOGY AND BIOGEOGRAPHY OF HIGH ALTITUDE INSECTS.
M S Mani
Ser Entomol 4:527P REF
1968 QL461.S4
Altitude, Arthropoda, Insect ecology, Insects, Temperature, Zoogeography.

842-69
THE MEXICAN SPECIES OF PROMACHUS IN THE SUBGENUS AMBLYONYCHUS (0PROMACHINA) (DIPTERA: ASILIDAE).
C H Martin
Kans Entomol Soc J 40(2):156-163 REF
Apr 1967 420 K13
Cuticle, Insect identification, Insect taxonomy, Promachus, Research.

843-69
FOOD SELECTION BEHAVIOUR OF THE FULLY GROWN LARVA OF THE INDIAN SANN HEMP MOTH, UTETHEISA PULCHELLA LINNE (LEPIDOPTERA) ARCTIIDAE).
R B Mathur
Mushi 41(8):113-119 REF
01 Oct 1967 421 M97
Arctiidae, Food habits, Insect behavior, Larvae.

844-69
NESTING BIOLOGY OF THE SOCIAL WASP MICROSTIGMUS COMES (HYMENOPTERA, SPHECIDAE, PEMPHREDONINAE).
R W Matthews
Psyche 75(1):23-45 REF
Mar 1968 421 P95
Insect behavior, Insect biology, Insect nests, Microstigmus comes, Parasitic insects, Predaceous insects, Social insects, Sphecidae.

845-69
FURTHER RECORDS OF FLEAS OCCURRING AS STRAGGLERS ON RABBITS COLLECTED IN KENT.
A R Mead-Briggs
Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):25-26
1963 421 EN86
Oryctolagus cuniculus, Rabbits, Research, Siphonaptera.

846-69
NESTS AND SOCIAL BEHAVIOR OF THREE SPECIES OF PSEUDAUGOCHLOROPSIS (HYMENOPTERA: HALICTIDAE).
C D Michener W B Kerfoot
Kans Entomol Soc J 40(2):214-232
Apr 1967 420 K13
Eggs, Habitats, Insect behavior, Insect morphology, Nesting, Ovaries, Pseudaugochloropsis, Research.

847-69
NESTS OF SOME AFRICAN MEGACHILID BEES, WITH DESCRIPTION OF A NEW (OPLITIS (HYMENOPTERA, AOIUDEA),.
C D Michener
Entomol Soc Southern Afr J 31(2):337-359 REF
Sep 1968 420 EN86
Catalogs, Insect taxonomy, Megachilidae, Nesting.

848-69
COLORADO BEETLE.
Great Brit Min Agr Fish Food Adv Leafl (71):6P MAP
1967 10 G79LA
Coccinellidae, Coleoptera, Crop losses, Epidemiology, Insect physiology, Leptinotarsa decemlineata, Macrodactylus subspinosus.

849-69
FURTHER INVESTIGATIONS ON THE ARTIFICIAL BREEDING OF THE OLIVE FLY-DACUS OLEAE GMEL.-UNDER ASEPTIC CONDITIONS.
I Moore
Entomophaga 7(1):53-57
1962 421 EN835
Biological control (insects), Breeding, Dacus oleae, Insect pests, Research. French summary.

850-69
HONEYDEW AS FOOD OF HILL-BUILDING FOREST ANTS. (GE)
H Mueller
Entomophaga 5(1):55-75 REF
1960 421 EN835
Food, Forest insects, Formica polyctena, Honcydew, Insect behavior, Symbiosis.

851-69
THE EFFECTS OF SODIUM FLUORIDE AND IODOACETAMIDE ON MUTATION INDUCTION BY X-IRRADIATION IN MATURE SPERMATOZOA OF DROSOPHILA.
R N Mukherjee F H Sobels
Mutation Res 6(2,SEP-OCT):217-225
1968 443.8 M98
Biochemistry, Drosophila melanogaster, Glycolysis, Iodoacetamide, Mutation, Sodium fluoride, Spermatozoa, X-rays.

852-69
LOW VOLUME SPRAYING BY AIR TO CONTROL MOSQUITO LARVAE IN CALIFORNIA.
T D Mulhern
Down Earth 24(2,FALL):4-6 REF
1968 381 D75
Aerial pest control, Chemical control (insects), Culicidae, DDT, Dosage, Economics, Insect vectors, Insecticide application, Larvicides, Spraying.

853-69
MELANISM IN NEW JERSEY CATOCALA SCHRANK (LEPIDOPTERA, NOCTUIDAE).
J Muller
N Y Entomol Soc J 75(4):195-196
Dec 1967 420 N48J
Catocala, Insect evolution, Insect genetics, Melanosis.

854-69
GYNANDROMORPHIC PALEACRITA VERNATA (LEPIDOPTERA: GEOMETRIDAE).
J Mullrt
N Y Entomol Soc J 76(4):266
Dec 1968 420 N48J
Gynandromorphism, Insect morphology, Paleacrita vernata.

855-69
WIREWORMS (COLEOPTERA, ELATERIDAE) OF THE SMOLENSK REGION, THEIR DISTRIBUTION AND INCIDENCE IN DIFFERENT SOIL TYPES.
V G Nadvornyj
Pedobiologia 8(3):296-305 REF
1968 56.8 P343
Elateridae, Insect ecology, Soil insects, Surveys, Zoogeography.

856-69
QUANTITATIVE DETERMINATION OF ACID AND ALKALINE PHOSPHATASE IN DIFFERENT PARTS OF THE ALIMENTARY CANAL OF DESERT LOCUST, SCHISTOCERCA GREGARIA (FORSKAL).
S N H Naqvi S H Ashraf M A H Qadri
Pakistan J Sci Indus Res 10(3):204-207 REF
Jul 1967 475 P174
Acid phosphatase, Alkaline phosphatase, Gastrointestinal system, Insect biochemistry, Quantitative analysis, Schistocerca gregaria.

857-69
THE MALE GENITALIA OF SOME CRIORHINA MEIGEN SPECIES FROM NORTH AMERICA (DIPTERA: SYRPHIDAE).
J L Nayar
N Y Entomol Soc J 76(4):297-302
Dec 1968 420 N48J
Catalogs, Insect morphology, Reproductive organs, Syrphidae.

858-69
NEW OR LITTLE-KNOWN ELATERIDAE FROM JAPAN. X. (COLEOPTERA).
H Ohira
Shikoku Entomol Soc Trans 9(2):41-43
Sep 1966 420 SH6
Cuticle, Elateridae, Insect identification, Insect taxonomy, Research.

859-69
THE QUESTION OF THE STATISTICAL PROOF OF DIET-DEPENDENT MORTALITY. (GE)
B Ohnesorge
Z Angew Entomol 61(4):403-406
May 1968 421 Z36
Diet, Forest insects, Mathematical analysis, Mortality, Population, Pristiphora, Sampling (statistics).

860-69
STRUCTURE AND METAMORPHOSIS OF THE MALPIGHIAN TUBULES OF CALLOSOBRUCHUS MACULATUS (F.) (BRUCHIDAE: COLEOPTERA).
H R Pajni
Panjab Univ Res Bull (N s)18(PT 1-2):61-67 REF
Jun 1967 513 EA72
Callosobruchus maculatus, Embryology, Insect morphology, Malpighian tubes, Metamorphosis.

861-69
THE EFFECTS OF INJECTED AMINOPTERIN ON EGG PRODUCTION IN RHODNIUS PROLIXUS.
S Patchin K G Davey
J Insect Physiol 14(11):1545-1551 REF
Nov 1968 421 J825
Aminopterin, Biochemistry, Chemosterilants, Dosage, Injections, Insect eggs, Insect physiology, Reproduction, Rhodnius prolixus.

862-69
THE BIOLOGICAL CONTROL OF FOREST INSECTS BY MEANS OF THE ANTS OF THE FORMICA RUFA L. GROUP.
M Pavan
Entomophaga 5(1):9-11
1960 421 EN835
Biological control (insects), Forest insects, Formica rufa, Formicidae.

863-69
EVIDENCE FOR EXTRACELLULAR SPACE IN THE RHABDOME OF THE HONEYBEE DRONE EYE.
A Perrelet F Baumann
J Cell Biol 40(3):825-830 REF
Mar 1969 442.8 J828
Apis mellifera, Electron microscopy, Eyes, Insect morphology.

864-69
INNERVATION OF THE GUT OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA L. (ORTHOPTERA, ACRIDIDAE).
S I Plotnikova
Entomol Rev 46(1,JAN-MAR):69-71 REF
Mar 1967 421 R322AE
Gastrointestinal system, Insect morphology, Locusta migratoria, Nervous system.

865-69
CONTRIBUTION TO THE STUDY OF POPULATION DYNAMICS. I. POPULATIONAL ANALYSIS OF NASONIA VITRIPENNIS WALK. (HYMENOP., PTEROMALIDAE). (SP)
J E Rabinovich
Acta Biol Venezuelica 6(1):68-81 REF
31 Mar 1968 475 AC86
Aging, Demography, Pteromalidae. English abstract

866-69
RATE OF MULTIPLICATION AND SEX RATIO IN RELATION TO THE QUANTITY OF FOOD MATERIAL IN BRACON BREVICORNIS WESMAEL AND PERISIEROLA NEPHANTIDIS MUESEBECK.
C S Rao N R Rao E Dharmaraju
Andhra Agr J 14(5):165-166
1967 34.2 AN4
Braconidae, Food habits, Hymenoptera, Reproduction, Sex ratios.

867-69
VARIABILITY OF THE PHOTOPERIODIC REACTION IN A NUMBER OF SUCCESSIVE GENERATIONS OF SPIDER MITES (ACARINA).
A P Razumova
Entomol Rev 46(2,APR-JUN):159-161
Jun 1967 421 R322AE
Inheritance, Insect physiology, Panonychus ulmi, Photoperiodism, Temperature, Tetranychus.

868-69
THE USE OF A POLYHEDRAL VIRUS DISEASE IN THE CONTROL OF THE PINE SAWFLY NEIDIPRION SERTIFER GEOFFR. IN NORTH - WEST SCOTLAND.
C F Rivers
Entomophaga Mem Hors Ser (2):477-480
1964 421 EN835M
Biological control (insects), Insect diseases, Insect pests, Neodiprion sertifer, Polyhedroses. French summary.

869-69
A PRELIMINARY OBSERVATION ON CANNIBALISTIC HABIT IN HIEROGLYPHUS NIGROREPLETUS BOLIVAR (ORTHOPTERA: ACRIDIDAE).
S K A Rizvi
Mushi 41(5):71-73 REF
20 Aug 1967 421 M97
Acrididae, Food habits, Temperature.

870-69
INSECT MIGRATION AND AIR CURRENTS. (ABSTRACT). (GE)
H Roer
Z Angew Entomol 61(4):428
May 1968 421 Z36
Danaus plexippus, Insect behavior, Insect flight, Insect migration, Wind. To be published in 62(1), 1968, of this journal.

871-69
CHROMOSOMES OF THE PYCNOSCELUS INDICUS AND P. SURINAMENSIS COMPLEX (BLATTARIA: BLABERIDAE: PYCNOSCELINAE).
L M Roth S H Cohen
Psyche 75(1):53-76 REF
Mar 1968 421 P95
Blattidae, Chromosomes, Insect genetics, Pycnoscelus indicus, Pycnoscelus surinamensis.

872-69
BIOLOGICAL NOTES ON DIOXYS POMONAE POMONAE AND ON ITS HOST, OSMIA NIGROBARBATA (HYEMNOPTERA: MEGACHILIDAE).
J G Rozen M S Favereau
N Y Entomol Soc J 75(4):197-203
Dec 1967 420 N48J
Dioxys pomonae, Insect behavior, Nesting, Osmia nigrobarbata, Parasitism.

873-69
OPTIMUM PERIODS FOR THE PROLIFERATION OF POLYHEDROSIS IN THE CATERPILLARS OF LYMANTRIA DISPAR (LEP. LYMANTRIIDAE). (FE)
A Ruperez
Entomophaga Mem Hors Ser (2):515-520
1964 421 EN835M
Biological control (insects), Caterpillars, Insect diseases, Lymantriidae, Polyhedroses, Porthetria dispar. English summary.

874-69
DISEASES OF FOREST DEFOLIATORS OF SPAIN. (FR)
A Ruperez
Entomophaga Mem Hors Ser (2):445-447
1964 421 EN835M
Biological control (insects), Geometridae, Insect diseases, Noctuidae, Polyhedroses, Quercus ilex. English summary.

875-69
EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI IN SOUTHWESTERN NORTH AMERICA. XI-XII. BIOLOGY OF THE GENUS REDUVIUS IN NORTH AMERICA AND THE POSSIBLE RELATIONSHIP OF REDUVIUS TO THE EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI (HEMIPTERA: REDUVIIDAE) (KINETOPLASTIDA: TRYPANOSOMIDAE).
R E Ryckman A E Ryckman
J Med Entomol 4(3):326-334
10 Aug 1967 421 J828
Biology, Epizootic diseases, Feeding, Insect rearing, Reduvius, Research, Trypanosoma cruzi.

876-69
POSTEMBRYONIC DEVELOPMENT OF THE EYE AND ITS GANGLIA OF DROSOPHILA MELANOGASTER.
R C Satija V Aggarwal
Panjab Univ Res Bull (N s)18(PT 1-2):79-93 REF
Jun 1967 513 EA72
Development, Drosophila melanogaster, Eyes, Insect morphology, Nervous system.

877-69
POSTEMBRYONIC DEVELOPMENT OF THE EYE GANGLIA IN ANOPHELES STEPHENSI LISTON.
R C Satija S Sud
Panjab Univ Res Bull (N s)18(PT 1-2):127-134 REF
Jun 1967 513 EA72
Anopheles stephensi, Development, Eyes, Insect morphology, Metamorphosis, Nervous system.

878-69
HISTOLOGICAL STUDIES ON POSTEMBRYONIC DEVELOPMENT OF THE BRAIN OF DROSOPHILA MELANOGASTER.
R C Satija V Aggarwal
Panjab Univ Res Bull (N s):18(PT 1-2):109-125 REF
Jun 1967 513 EA72
Brain, Drosophila melanogaster, Histology, Metamorphosis.

879-69
STUDIES ON THE BRAIN OF MONOMORIUM INDICUM FOREL (HYMENOPTERA).
R C Satija D Walia
Panjab Univ Res Bull (N s):18(PT 1-2):237-241
Jun 1967 513 EA72
Brain, Formicidae, Insect morphology.

880-69
ORAL AND PARENTERAL TOXICITY OF BACILLUS THURINGIENSIS EXOTOXIN , AND ITS INACTIVATION IN LARVAE OF GALLERIA MELLONELLA.
E Schmid M Benz
Experientia 25(1):96-98 REF
15 Jan 1969 475 EX7
Bacillus thuringiensis, Galleria mellonella, Insect physiology, Larvae, Poisoning, Toxicology, Toxins.

881-69
NEW EVIDENCE THAT A NUMBER OF LEAF- AND NEEDLE-EATING INSECTS DEPEND ON THE SUGAR-CONTENT OF THEIR FOOD. (GE)
W Schwenke
Z Angew Entomol 61(4):365-369
May 1968 421 Z36
Bupalus piniaria, Diet, Food habits, Forest insects, Glucose, Insect behavior, Larvae, Leaves, Pine needles, Trees, Vegetation. English summary

882-69
PHOSPHINE: A VERSATILE FUMIGANT.
P Singh J N Sarid K Krishnamurthy
Bull Grain Technol 5(4):214-226 REF
Dec 1967 TS2120.B8
Accident prevention, Chemical control (insects), Dosage, Fumigation, Grain, Insecticide application, Phosphine, Toxicity.

883-69
SOME MUSCID FLIES (DIPT.), OF LANCASHIRE AND CHESHIRE.
P Skidmore
Entomol Mon Mag (SER 4)99(277-9,JAN-MAR):9-19
1963 421 EN86
Aging, Helina, Insect dissemination, Insect morphology, Insect names, Muscidae, Mydaea, Phaonia, Research.

884-69
CIRCADIAN SYSTEMS, II. THE OSCILLATION IN THE INDIVIDUAL DROSOPHILA PUPA; ITS INDEPENDENCE OF DEVELOPMENTAL STAGE.
S D Skopik C S Pittendrigh
Nat Acad Sci Proc 58(5):1862-1869 REF
Nov 1967 500 N21P
Diurnal rhythm, Drosophila, Metamorphosis, Photoperiodism, Pupae.

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THE NIGHT-DAY ACTIVITY RHYTHM OF TETRATOMA FUNGORUM F. (COL., TETRATOMIDAE).
K P Smith
Entomol Mon Mag (SER.4)99(287-8):234-240
Nov 1963 421 EN86
Equipment, Fungus diseases (insects), Insect behavior, Insect morphology, Polyporus betulinus, Research, Tables (data), Tetratoma fungorum.

886-69
A SPORULATING STRAIN OF BACILLUS POPILLIAE.
V R Srinivasan G L Craig
Experientia 24(12):1282-1283
15 Dec 1968 475 EX7
Bacillus popilliae, Bacteriology, Insect diseases, Popillia japonica, Sporulation.

887-69
THE CREATION OF ARTIFICIAL FOCI OF PARASITES- A NEW METHOD OF APHID PARASITE RELEASE.
P Stary
Acto Ent Bohemoslov 1(65):76-77
1968 420 C33
Aphidius transcaspicus, Aphis craccivora, Biological control (insects), Hyalopterus pruni, Insect colonization, Insect outbreaks, Insect pests, Methodology, Parasitism, Phragmidium, Plant physiology.

888-69
SOIL SURFACE ZOO-MICROBIAL COMPLEX OF ORTHOPTERA AND TENEBRIONIDS IN THE SOUTHEAST ALTAI-MOUNTAINS AND THEIR RELATIONSHIP TO SOIL FORMATION PROCESSES. (GE)
I V Stebaev N N Naplekova V V Volkovincer
Pedobiologio 8(3):345-386 REF
1968 56.8 P343
Feces, Food habits, Insect behavior, Orthoptera, Sex, Soil microorganisms, Tenebrionidae. English and Russian abstracts

889-69
NOTES ON REARING PARMENA BALTEUS L.(CERAMBYCIDAE). (FR)
J Steffen
Entomol Gesell Bosel 16(4/6):92-98
1966 QL461.E58
Cerambycidae, Hibernation, Insect behavior, Insect morphology, Insect rearing, Insect taxonomy, Parmena balteus, Parmena pubescens solieri. German summary.

890-69
THE INFLUENCE OF WING-DIMORPHISM ON THE DISTRIBUTION OF CURCULIONIDAE. (GE)
W Stein
Z Angew Entomol 61(4):442-445
May 1968 421 Z36
Curculionidae, Insect flight, Polymorphism, Wings (insects), Zoogeography. English summary.

891-69
FACTORS AFFECTING THE SEX RATIO OF APHYTIS PROCLIA WLK. (HYMENOPTERA, APHELINIDAE), EXTERNAL PARASITE ON THE SAN JOSE SCALE.
A F Sumaroka
Entomol Rev 46(2,APR-JUN):179-185 REF
Jun 1967 421 R322AE
Aphytis, Aspidiotus perniciosus, Sex ratios, Zoogeography.

892-69
A CASE OF BACTERIAL EPIZOOTY IN A LARVAL POPULATION OF SELENEPHERA LUNIGERA ESP. (LEPIDOPTERA, LASIOCAMPIDAE).
G B Talalayeva
Entomol Rev 46(2,APR-JUN):191-192
Jun 1967 421 R322AE
Bacteria, Larvae, Lasiocampidae, Natural control (insects).

893-69
FLIGHTS OF THE ANT POLYERGUS LUCIDUS MAYR.
M Talbot
Psyche 75(1):46-52
Mar 1968 421 P95
Formicidae, Insect behavior, Insect flight, Polyergus lucidus.

894-69
STABILITY MECHANISM OF POLYHEDRA. (FR)
L M Tarassevitch E F Oulanova N S Terestchenko
Entomophogo Mem Hors Ser (2):397-401 REF
1964 421 EN835M
Biochemistry, Insect diseases, Polyhedroses, Virology, Viruses, Volumetric analysis. English summary.

895-69
A PROBABLE HYBRID BETWEEN MELANARGIA RUSSIAE AND MELANARGIA LACHESIS.(NYMPHALIDAE SATYRINAE). (FR)
Ch Tavoillot
Alexonor 5(1):19-24
13 Apr 1967 421 AL2
Hybrids, Insect physiology, Insect taxonomy, Nymphalidae.

896-69
THE PROBLEM OF THE UTILIZATION OF ENTOMOPATHOGENIC MICROORGANISMS IN COMBINATION WITH INSECTICIDES. (FR)
N A Telenga
Entomophogo Mem Hors Ser (2):531-544 REF
1964 421 EN835M
DDT, Entomogenous fungi, Hydrogen-ion concentration, Insect pests, Insecticides, Integrated control (insects), Microorganisms, Mortality, Toxins. English summary.

897-69
PROTHORACIC TRACHEAE OF A BUPRESTIO BEETLE.
G T Tonapi
Noturwissenschoften 55(1):44-45
Jan 1968 474 N213
Buprestidae, Electron microscopy, Insect morphology, Respiratory system, Trachea.
An electron microscope study of the unusually large trachea of a buprestid beetle is presented, with diagrams of its ultrastructure.

898-69
NOTES AND DESCRIPTIONS OF SOME LEPTOPSYLLID FLEAS (SIPHONAPTERA).
R Traub T M Evans
J Med Entomol 4(3):339-359 REF
10 Aug 1967 421 J828
Food plants, Geography, Insect dissemination, Insect identification, Insect names, Leptopsyllidae, Research, Siphonaptera.

899-69
ECOLOGY OF VIRUS DISEASES OF INSECTS. (FR)
C Vago
Entomophogo Mem Hors Ser (2):423-443 REF
1964 421 EN835M
Ecology, Feeding, Insect diseases, Starvation, Temperature. English summary.

900-69
VIRULENCE OF AN INSECT VIRUS INCREASED BY REPEATED PASSAGES.
J Veber
Entomophogo Mem Hors Ser (2):403-405
1964 421 EN835M
Experimental insects, Galleria mellonella, Inclusion bodies, Insect diseases, Larvae, Polyhedroses. French summary.

901-69
ACACIA GALLING BY A LYCAENID (LEP.).
B Verdcourt
Entomol Mon Mog (SER 4)99(287-8):201
Nov 1963 421 EN86
Acacia nubica, Gall-making insects, Larvae, Lycaenidae, Plant galls, Research.

902-69
BREEDING OF EMPUSA MUSCAE AND ITS USE IN FLY CONTROL. (GE)
H Vogel
Anz Schodlingskunde 41(5):76-77
May 1968 421 AN9
Attractants, Breeding, Culture media, Entomogenous fungi, Entomophthora muscae, Fungi, Insect control, Lactic acid, Water.

903-69
THE EFFECT OF THE AMOUNT OF BLOOD TAKEN AND ADDITIONAL CARBOHYDRATE NUTRITION ON OOGENESIS IN FEMALES OF BLOODSUCKING MOSQUITOES OF THE GENUS AEDES (DIPTERA, CULICIDAE) OF VARIOUS WEIGHTS AND AGES.
N V Volozina
Entomol Rev 46(1,JAN-MAR):27-32 REF
Mar 1967 421 R322AE
Aedes, Blood, Carbohydrates, Fertility, Insect nutrition, Insect physiology, Oogenesis.

904-69
SOME INTERESTING FORMS OF LEPIDOPTERA AND SOUVENIRS OF THE CHASE. (FR)
L Weber
Entomol Gesell Basel 16(4/6):99-101
1966 QL461.E58
Lepidoptera, Zoogeography. German summary.

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MALE GENITALIA OF THE SERICOMYIINI COMPLEX (DIPTERA: SYRPHIDAE).
K E Weisman
Entomol News (philodelphio) 78(9):241-250
Nov 1967 421 EN88
Anatomy, Arctophila, Insect dissemination, Insect identification, Reproductive organs, Research, Syrphidae.

906-69
AN ANALYSIS OF THE WAGGLE DANCE AND RECRUITMENT IN HONEY BEES.
A M Wenner P H Wells F J Rohlf
Physiol Zool 40(4):317-344 REF
Oct 1967 410 P56
Apis mellifera, Bee behavior, Environment, Statistical analysis.

907-69
UPTAKE OF WATER BY EGGS OF CARDIASPINA DENSITEXTA (HOMOPTERA: PSYLLIDAE) FROM LEAF OF HOST PLANT.
T C R White
J Insect Physiol 14(11):1669-1683 REF
Nov 1968 421 J825
Absorption, Cardiaspina densitexta, Insect eggs, Insect physiology, Leaves, Ovulation, Reproduction, Water.

908-69
THE MOSQUITO PROBLEM IN COLUSA COUNTY, CALIFORNIA.
K G Whitesell
Down Eorth 24(2,FALL):11-12
1968 381 D75
Aedes melanimon, Aerial spraying, Anopheles, Anopheles freeborni, Chemical control (insects), Culex, Culex tarsalis, Culicidae, Economics, History, Insecticide application, Rice.

909-69
INVESTIGATIONS OF THE DIGESTIVE PROCESSES IN THE COMMON SPIDER MITE, TETRANYCHUS URTICAE KOCH. (GE)
R Wiesmann
Z Angew Entomol 61(4):457-465
May 1968 421 Z36
Digestion, Insect physiology, Tetranychus urticae.

910-69
APANTELES PIERIDIS (BOUCHE) (HYM., BRACONIDAE), A PARASITE OF APORIA CRATAEGI (L.) (LEP. PIERIDAE). (GE)
H Wilbert

Entamophago 5(3):183-211 REF
1960 421 EN835
Apanteles picridis, Aporia crataegi, Hymenoptera, Insect behavior, Lepidoptera, Parasitism. English summary

911-69
THE GENUS TYPOPSILOPA CRESSON IN THE WESTERN HEMISPHERE (DIPTERA: EPHYDRIDAE).
W W Wirth
Entomol Soc Wash Proc 70(3):225-237
Sep 1968 420 W27
Diptera, Insect anatomy, Typopsilopa, Zoogeography.

912-69
BIOASSAY DETERMINATION OF AIRCRAFT SWATHS AND RICE CANOPY PENETRATION BY LOW VOLUME INSECTICIDAL SPRAYS AT COLUSA, CALIFORNIA.
D J Womeldorf P A Gillies
Down Earth 24(2,FALL):23-27
1968 381 D75
Acrial spraying, Biological assay, Chemical control (insects), Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O d, Insecticide application, Measurement, Rice, Water analysis, Water treatment.

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AN ABNORMAL INTERMEDIATE FORM OF DACTYNOTUS (D.) HYPOCHOERIDIS H.R.L. (HEM., APHIDIDAE).
C S Wood-Baker
Entamol Man Mag (SER 4)99(277-9,JAN-MAR):38-39
1963 421 EN86
Anatomy, Cuticle, Dactynotus hypochoeridis, Insect abnormalities, Insect identification, Research, Surveys.

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INTERACTIONS BETWEEN THE GRAIN BEETLES SITOPHILUS GRANARIUS (L.) (CURCULIONIDAE) AND PTINUS TECTUS BOIELD. (PTINIDAE).
G E Woodroffe
Entamol Man Mag (SER 4)99(277-9,JAN-MAR):36-38
1963 421 EN86
Eggs, Environment, Grain, Insect pests, Morphology, Mortality, Ptinus tectus, Research, Sitophilus granarius, Storage.

915-69
POLYHEDRAL PRE-VIRAL GENOME CONTAINING GENES SYNTHESIZING DEOXYRIBONUCLEASE AND PROTEASE.
K Yamafuji
Entamaphaga Mem Hars Ser (2):377-381 REF
1964 421 EN835M
Bombyx mori, Cells, Chromosomes, Deoxyribonucleases, Genes, Insect diseases, Mutation, Polyhedroses, Proteinases. French summary.

916-69
REPRODUCTIVE BEHAVIOR AND SOCIAL ORGANIZATION IN THE COLEOPTERA.
F N Young
Ind Acod Sci Proc 77:213
1968 500 IN2
Coleoptera, Insect behavior, Pheromones, Social insects.

917-69
STUDY OF THE CORPUS LUTEUM IN INSECT OVARIES BY FLUORESCENCE MICROSCOPY.
I A Yurgenson V S Teplykh
Entomol Rev 46(2,APR-JUN):174-178 REF
Jun 1967 421 R322AE
Corpus luteum, Fluorescence microscopy, Histology, Insect vectors, Ovaries.

918-69
THE PARASITE COMPLEX OF THE EUROPEAN AND NORTH-AMERICAN PINE ROLLER MOTH (CHORISTONEURA SPP., LEP. TORTRICIDAE), FROM A BIO-GEOGRAPHICAL POINT OF VIEW. (GE)
H Zwolfer
Z Angew Entomol 61(4):448-452
May 1968 421 Z36
Braconidae, Choristoneura, Ichneumonidae, Parasitic insects, Zoogeography.

GENETICS

919-69
CHROMOSOMAL POLYMORPHISM IN DROSOPHILA TETRACHAETA.
D S Angus
J Hered 59(5,SEP-OCT):289-296 MAP REF
1968 442.8 AM3
Chromosomes, Drosophila, Insect genetics, Larvae, Polymorphism, Population, Salivary glands.

920-69
EVOLUTION OF FITNESS, III. IMPROVEMENT OF FITNESS IN IRRADIATED POPULATIONS OF DROSOPHILA SERRATA.
F J Ayala
Nat Acad Sci Prac 58(5):1919-1923 REF
Nov 1967 500 N21P
Drosophila serrata, Environment, Insect adaptation, Insect genetics, Insect mutation, Irradiation.

921-69
THE SIGNIFICANCE OF PUFFING IN THE GIANT CHROMOSOMES OF DIPTERA. IN: EXPERIMENTAL EMBRYOLOGY TO MOLECULAR BIOLOGY. EDITED BY E. WOLFF. (FR)
W Beermann
43-65 REF PARIS, DUNOD
1967 QH431.W6
Actinomycins, Chromosomes, Cytology, Deoxyribonucleic acid, Diptera, Histones, Insect genetics, Proteins, Ribonucleic acid.

922-69
MASS PREPARATION OF NUCLEI FROM THE LARVAL SALIVARY GLANDS OF DROSOPHILA HYDEI.
J B Boyd H D Berendes H Boyd
J Cell Biol 38(2):369-376 REF
Aug 1968 442.8 J828
Cell nucleus, Chromosomes, Drosophila hydei, Salivary glands (insects).

923-69
THE GENETIC EFFECTS OF CAFFEINE IN DROSOPHILA MELANOGASTER.
A M Clark E G Clark
Mutation Res 6(2,SEP-OCT):227-234 REF
1968 443.8 M98
Caffeine, Chromosomes, Drosophila melanogaster, Food, Insect genetics, Mutation.

924-69
THE FUNCTION OF THE LAMPBRUSH LOOPS FORMED BY THE Y CHROMOSOME OF DROSOPHILA HYDEI IN SPERMATOCYTE NUCLEI.
O Hess
Z Vererbungslehre 103(1):58-71
27 Nov 1968 442.8 Z34
Chromosomes, Drosophila, Fertility, Insect genetics, Spermatogenesis.

925-69
FINE STRUCTURE ANALYSIS OF A CHROMOSOME SEGMENT IN DROSOPHILA MELANOGASTER. ANALYSIS OF X-RAY-INDUCED LETHALS.
E Lifschytz R Falk
Mutation Res 6(2,SEP-OCT):235-244 REF
1968 443.8 M98
Alleles, Chromosomes, Drosophila melanogaster, Insect genetics, Insect histology, Mutation, X-rays.

926-69
DROSOPHILA AND PSEUDEUCOILA V: CONTRIBUTION TO THE BIOLOGICAL PARASITOLOGY OF PSEUDEUCOILA BOCHEI WELD (CYNIPIDAE, HYMENOPTERA) AND REPORT ON TWO NEW MUTANTS. (GE
A Meyer-Grassmann
Rev Suisse Zool 74(2):409-438 REF
Sep 1967 410 R324
Drosophila melanogaster, Insect behavior, Insect genetics, Insect mutation, Irradiation, Parasitic insects, Pseudeucoila bochei. English and French abstracts.

927-69
GENETIC VARIABILITY IN THE GERMAN COCKROACH. IV. LINKAGE STUDIES WITH MARKERS FOR GROUPS III AND VIII.
M H Ross D G Cochran
J Hered 59(5,SEP-OCT):318-320 REF
1968 442.8 AM3
Aging, Blattella germanica, Blattidae, Breeding, Cytogenetics, Experimental insects, Insect genetics, Mutation.

928-69
POST-FERTILIZATION EFFECT OF INCOMPATIBILITY FACTORS IN MORMONIELLA.
S L Ryan G B Saul
Z Vererbungslehre 103(1):29-36
27 Nov 1968 442.8 Z34
Insect genetics, Insect mutation, Pteromalidae, Sex ratios.

929-69
POLYSOMY IN CHROTOGONUS TRACHYPTERUS (BLANCHARD) (ORTHOPTERA: ACRIDOIDEA: PYRGOMORPHIDAE) FROM THREE MORE POPULATIONS AND ITS POSSIBLE ROLE IN ANIMAL SPECIATION.
G P Sharma M L Gupta G S Randhawa
Panjab Univ Res Bull (N s)18(PT 1-2):157-163 REF
Jun 1967 513 EA72
Chromosomes, Chrotogonus, Insect abnormalities, Insect genetics.

930-69
REPAIR OF DOMINANT LETHAL DAMAGE INDUCED BY X-RAYS IN IMMATURE OOCYTES OF DROSOPHILA MELANOGASTER.
H Traut P Schmidt
Int J Radiot Biol 13(5):405-415 REF
19 Jun 1968 444.8 IN8
Chromosomes, Drosophila melanogaster, Insect genetics, Oogenesis, Statistical analysis, X-rays.

931-69
THE INFLUENCE OF SELECTION AND MATING SYSTEMS ON LARVAL WEIGHT IN TRIBOLIUM.
S P Wilson P V Blair W H Kyle A F Bell
J Hered 59(5,SEP-OCT):313-317
1968 442.8 AM3
Biological control (insects), Breeding, Heredity, Insect genetics, Insect physiology, Larvae, Mutation, Temperature, Tribolium castaneum.

932-69
A REFINED TEST FOR X-RAY INDUCED DOMINANT LETHALS IN DROSOPHILA.
F E Wurgler U Petermann H Ulrich
Experientia 24(12):1293-1294
15 Dec 1968 475 EX7
Drosophila, Insect genetics, Irradiation, Lethal factor.

MEDICAL ENTOMOLOGY

933-69
NEW DIRECTIONS IN MOSQUITO CONTROL.
J E Burgoyne
Down Earth 24(2,FALL):38
1968 381 D75
Aircraft, Chemical control (insects), Culicidae, Insecticide application, Public health, Research, Rice.

934-69
REPORT ON A LIMITED ANOPHELINE SURVEY AT IFAKARA, SOUTH-EASTERN TANZANIA.
T A Freyuogel P M Kihaule
Acta Trop 25(1):17-28 MAP REF
1968 475 AC8
Anopheles, Insect ecology, Insect vectors, Malaria, Surveys. French and German abstracts

935-69
A REFINEMENT IN AERIAL APPLICATIONS OF PARIS GREEN GRANULES.
T O Fultz F Harris
Mosquito News 28(3):323-326
Sep 1968 421 M85
Aedes sollicitans, Aerial insect control, Aircraft, Chemical control (insects), Insect control, Methodology, Organic compounds.

The author discusses the techniques used in the aerial application of paris green granules in Georgia for mosquito control.

936-69
ORGANIZATION FOR EFFECTIVE MOSQUITO CONTROL PROGRAMS.
R W Rings
Ohio Agr Exp Sta Dep Zool Ent Publ Ser (SER 31):4P
Oct 1967 100 OH3PU
Accident prevention, Culicidae, Economics, Insect control, Surveys.

937-69
THE UNITED STATES AND MALARIA: DEBITS AND CREDITS.
P F Russell
N Y Acad Med Bull (SER 2)44(6):623-653 REF
Jun 1968 448.9 N48
Anopheles quadrimaculatus, Chemical control (insects), DDT, Economics, History, Insect vectors, Insecticide resistant insects, Larvicides, Malaria control, Plasmodium.

CROP PROTECTION

938-69
FENCE POSTS USED TO EVALUATE PRESERVATIVES.
Can Dep Forest Forest Prod Res Br Res News 11(6,NOV-DEC).
1968 99.9 C1625F
Evaluation, Lumber preservatives, Research, Wood durability.

939-69
FOREST INSECT AND DISEASE SURVEY.
Can Dep Forest Forest Prod Res Br Res News 11(6,NOV-DEC):
1968 99.9 C1625F
Chermes piceae, Choristoneura fumiferana, Choristoneura pinus, Dieback, Forest conservation, Forest insects, Insect collection, Scleroderris, Surveys, Ulmus, Wood-destroying insects.

940-69
DETRIMENTAL EFFECT OF RUSSIANTHISTLE ON SEMIDESERT RANGE IN WEST-CENTRAL NEW MEXICO.
E F Aldon
Pacific Southwest Forest Range Exp Sta Res Note PSW- 109:1-2
1968 A99.9 F7632US
Environment, Perennial plants, Research, Salsola kali, Soil structure.

941-69
CULTIVATED PALMS OF VENEZUELA.
A Braun
Principes 12(2-3,APR-JUL):39-103 MAP
1968 80 P932
Climate, Economic plants, Humidity, Palmae, Plant adaptation, Plant diseases, Plant injuries, Plant taxonomy, Surveys. To be continued.

942-69
THE ANALYSIS OF RESPONSE IN CROP AND LIVESTOCK PRODUCTION.
J L Dillon
135P REF OXFORD, PERGAMON PRESS
1968 S566.D5
Agricultural production economics, Crops, Experimental design, Livestock, Mathematical analysis, Productivity, Statistical analysis, Time.

943-69
CHANGES IN USAGE OF PLANT PROTECTION PREPARATIONS DURING THE LAST FIFTEEN YEARS. (GE)
H Drees
Gesunde Pflanzen 19(12):244-248
Dec 1967 464.8 G33
Creosote, DDT, Fungicides, Herbicides, Insecticides, Mineral oil, Plant protection.

944-69
1966 PLANT INSPECTION STATISTICS. (GE)
R Finkbein
Gesunde Pflanzen 19(12):252-254
Dec 1967 464.8 G33
Agricultural statistics, Foreign trade, Legislation, Pest control, Plant diseases, Plant protection, Tables (data).

945-69
EXTENT OF FARM PESTICIDE USE ON CROPS IN 1966.
A Fox T Eichers P Andrilenas R Jenkins H Blake
USDA Agr Econ Rep (147):2-23 MAP
Oct 1968 A281.9 AG8A
Agricultural outlook, Agricultural policies, Crops, Methodology, Pesticides, Surveys, Tables (data).

946-69
BIBLIOGRAPHY OF BIOLOGICAL CONTROL. VII.
J M Franz
Entomophaga 8(2):161P REF
1963 421 EN835
Arthropoda, Bibliography, Biological control (pests), Reference materials, Weeds. The bibliography, introduction, text, and title are in German and French as well as English.

947-69
PERSISTANCE OF DIVERSE ALFALFA VARIETIES UNDER GRAZING.
E Gray J S Rice A J Hester
Tenn Farm Home Sci (67,JUL-SEP):21-24
1968 100 T25F
Alfalfa, Crop rotation, Crop varieties, Crop yields, Feeding, Grazing, Plant hardiness.

948-69
INTEGRATED PEST CONTROL FROM THE POINT OF VIEW OF ZOOLOGICAL PESTICIDE EXAMINATION. (GE)
W Herfs
Anz Schadlingskunde 41(9):132-134 REF
Sep 1968 421 AN9
Biochemistry, Chemical control (pests), Integrated control (pests), Pesticides, Plant protection, Research, Zoology. English and French summary.

949-69
STUDIES ON THE RESPIRATION RATE IN THE DIFFERENT PARTS OF THE ROOT SYSTEMS OF PINE AND SPRUCE SEEDLINGS AND ITS VARIATIONS DURING THE GROWING SEASON.
E Lahde
Acta Forest Fenn 81:1-24 REF
1967 99.9 F492
Coniferae, Picea, Pinus, Plant nutrition, Plant physiology, Plant respiration, Roots, Seedlings, Tables (data), Warburg apparatus.

950-69
VERTICAL DISTRIBUTION OF BIOLOGICAL ACTIVITY IN PEAT OF SOME VIRGIN AND DRAINED SWAMP TYPES.
E Lahde
Acta Forest Fenn 81:1-15 REF
1967 99.9 F492
Cellulose, Decomposition, Drainage, Gases, Oxidation-reduction potential, Peat, Soil analysis, Swamps, Tables (data), Warburg apparatus.

951-69
ON THE PRECISION OF SOME METHODS OF FOREST INVENTORY.
A Nyyssonen P Kilkki E Mikkola
Acta Forest Fenn 81:1-58 MAP REF
1967 99.9 F492
Forest management, Forest surveys, Sampling (statistics), Tables (data). Finnish summary.

952-69
A GUIDE TO THE USE OF PESTICIDES FOR THE CONTROL OF AGRICULTURAL PESTS.
B K Petty J Bot N Hollings
79P PRETORIA, SOUTH AFRICA, DEPT. OF AGRICULTURAL TECHNICAL
Jun 1967 SB961.P4
Accident prevention, Agriculture, Pest control, Pesticide application, Pesticide residues, Pesticides, Plant protection.

953-69
NITROGENOUS AND PHENOLIC COMPOUNDS OF NICOTIANA PLANTS. II. SELECTIVE INCORPORATION OF AROMATIC AMINO ACIDS IN PHENOLIC COMPOUNDS OF TUMOROUS NICOTIANA HYBRIDS.
T C Tso T P Sorokin H Chu G W Schaeffer L G Burk
Acad Sinica Bot Bull (N s)8:231-237
Oct 1967 451 AC1B
Amino acids, Chemicals, Nicotiana glauca, Nicotiana langsdorfii, Nitrogen compounds, Phenols, Plant galls, Tissues.

954-69
PHYSIOLOGY OF PARASITISM. 2. BIOCHEMICAL CHANGES IN THE MUNG BEAN SEEDLING INFECTED WITH RHIZOCTONIA SOLANI KUEHN.
L C Wu
Acad Sinica Bot Bull (N s)8:271-283 REF
Oct 1967 451 AC1B
Biology, Chemistry, Mung beans, Nucleic acids, Parasitism, Plant physiology, Rhizoctonia solani, Seedlings. Japanese summary

955-69
EXPRESS METHOD OF DISINTEGRATION OF ASPERGILLUS AWAMORI CONIDIA. (RUS)
P N Yevtikhov
Priklad Biokhim Mikrobiol Akad Nauk SSSR 3(6):665-666
1967 385 P93
Aspergillus awamori, Conidia, Equipment, Fungi, Methodology. English summary.

956-69
THE ACCUMULATION OF GROWTH REGULATORS IN PLANT INFECTED BY NECTRIA PTEROSPERMI SAW.
P H Yu L C Wu C C Chen
Acad Sinica Bot Bull (N s)8:316-326 REF
Oct 1967 451 AC1B
Chromatography, Extracts, Fungus diseases (plants), Nectria pterospermi, Plant protection, Plant regulators. Japanese summary

DISEASES

957-69
SURVEY OF DECAY AND STAIN IN SUGAR MAPLE IN THE MARITIMES.
Can Dep Forest Forest Prod Res Br Res News 11(6,NOV-DEC).
1968 99.9 C1625F
Basidiomycetes, Forest conservation, Forest surveys, Hardwoods, Staining, Wood decay, Wood destroying fungi.

958-69
PRODUCTION OF EXTRACELLULAR ENZYMES BY PHYTOPHTHORA PALMIVORA (BUTL.) BUTL..
O A Akinrefon
J Gen Microbiol 51(PT 1):67-74 REF
Apr 1968 448.3 J823
Chemical analysis, Culture media, Enzymes, Fungus diseases (plants), Nutrition, Phytophthora palmivora.

959-69
LATE BLIGHT DISEASE ON POTATOES AND ITS CONTROL.
H K Alva
Lal-Baugh 12(3,JUL-SEP):31-32
1967 80 L15
Bordeaux mixture, Fungus diseases (plants), Late blight, Phytophthora infestans, Plant protection, Potatoes, Symptomatology, Zineb, Ziram.

960-69
STUDIES ON THE MODE OF ACTION OF TOMATINE AS A FUNGITOXIC AGENT.
P A Arneson R D Durbin
Plant Physiol 43(5):683-686 REF
May 1968 450 P692
Biochemistry, Cholesterol, Colletotrichum, Fungitoxicity, Helminthosporium turcicum, Septoria, Tomatine, Toxicology.

961-69
THE HEALTHY JUICE EFFECT IN VIRUS TRANSMISSION.
S Azeem C E Yarwood
Pakistan J Sci Indus Res 10(3):227-228
Jul 1967 475 P174
Bentonite, Cucumbers, Extracts, Plant tissues, Ring spot, Tomatoes, Virus diseases (plants).

962-69
DUTCH ELM DISEASE RECURRENCE AND RECOVERY IN AMERICAN ELM.
W M Banfield
Mass Agr Exp Sta Bull (568):60P REF
1968 100 M38H (1)
Ceratocystis ulmi, Dieback, Epidemiology, Fungus diseases (plants), Plant histology, Scolytidae, Ulmus americana, Weather. German summary

963-69
CLASSIFICATION OF STRAINS OF THE GROUP BACILLUS THURINGIENSIS THROUGH DETERMINATION OF THE FLAGELLAR ANTIGEN. 2. (FR
A Bonnefoi H de Barjac
Entamaphaga 8(3):223-229
1963 421 EN835
Agglutination test, Antigens, Bacillus thuringiensis, Biochemistry, Serological tests. English summary.

964-69
DISINFECTION OF POTATOES WITH MANEB AND MAGNESIUM. COMPARATIVE EFFECT OF MANEB AND MAGNESIUM SOLFATE IN THE YIELD OF CAPIRO POTATO AT THE EXPERIMENTAL SUBSTATION AT LA SELVA . (SP)
J J Castano A H D Thurston
Agr Trop 24(7):407-408
Jul 1968 26 AG8
Chemical control (plant diseases), Crop yields, Maneb, Manganese, Phytophthora infestans, Potatoes.

965-69
CONTROL OF THE GOTA OF TOMATOES. ASPERSION OF MANEB IN TOMATOES AT DISTINCT WEEKLY INTERVALS AND LEVELS OF RAIN FOR THE CONTROL OF PHYTOPHTHORA INFESTANS. (SP)
J J Castano A H D Thurston
Agr Trop 24(5):262-264
May 1968 26 AG8
Chemical control (plant diseases), Fungus diseases (plants), Maneb, Phytophthora infestans, Tomatoes.

966-69
THE EFFECT OF ADHESIVE PROTECTIVE APPLICATIONS COMBINED WITH MANEB TO CONTROL PHYTOPHTHORA INFESTANS OF POTATOES. (SP)
J J Castano A H D Thurston
Agr Trop 24(4):223-225
Apr 1968 26 AG8
Adhesives, Chemical control (plant diseases), Maneb, Phytophthora infestans, Potatoes.

967-69
INVESTIGATIONS ON DISEASE COMPLEX OF RICE IN WEST BENGAL (INDIA). I. STUDY OF RHIZOSPHERE MICROFLORA OF THE AFFECTED PLANTS.
S B Chattopadhyay N Mukhopadhyay
Int Rice Comm News Lett 16(1):31-37
Mar 1967 59.9 IN83N
Bacterial diseases (plants), Growth factors, Microflora, Plant diseases, Plant physiology, Plant regulators, Rhizosphere, Rice, Soil properties, Tables (data).

968-69
THE TRANSFER OF BLUE MOLD RESISTANCE TO TOBACCO FROM NICOTIANA DEBNEYI. PART IV. BREEDING PROGRESS 1957-1967.
E E Clayton
Tobacco 167(1):25-34
05 Jul 1968 286.89 T552
Downy mildew, Fungus diseases (plants), Nicotiana debneyi, Plant breeding, Plant disease resistance, Plant genetics, Plant morphology, Tobacco.

969-69
POSSIBILITIES FOR INTER- AND INTRACELLULAR TRANSLOCATION OF SOME ICOSAHEDRAL PLANT VIRUSES.
G A De Zoeten G Gaard
J Cell Bial 40(3):814-823 REF
Mar 1969 442.8 J828
Beans, Electron microscopy, Mosaic, Plant cytology, Plant disease transmission, Ring spot, Tomatoes, Virus diseases (plants).

970-69
COMPETITION AND SYNERGISM BETWEEN CHOLESTEROL AND CHOLESTANOL IN OOSPORE FORMATION IN PHYTOPHTHORA CACTORUM.
C G Elliott
J Gen Microbial 51(PT 1):137-143 REF
Apr 1968 448.3 J823
Cholestanol, Cholesterol, Oospores, Phytophthora cactorum.

971-69
STUDIES ON FUNGITOXICITY OF A COPPER BASED COMPOUND S-3.
S S Husain S A Hasan M Yousuf G M Ali
Pakistan J Sci Indus Res 10(3):197-200 REF
Jul 1967 475 P174
Alternaria tenuis, Copper, Fungicides, Fungitoxicity, Fungus diseases (plants), Fusarium, Helminthosporium.

972-69
FRUIT SYMPTOMS IN LEAF SPOT OF SWEET CHERRIES. (GE)
W Kampe
Gesunde Pflanzen 19(2):250-251
Dec 1967 464.8 G33
Cherries, Leaf spot, Mazzard cherries, Plant diseases, Plant ecology. English summary.

973-69
THE SOD INDUSTRY'S BOOM IS BUSTING.
R Lehnert
Michigan Farmer 250(11):38-39
Dec 1968 6 M58
Crop losses, Fungus diseases (plants), Fusarium, Turf. Includes discussion of a blight caused by Fusarium.

974-69
A CONTRIBUTION TO THE FIGHT AGAINST THE GENUINE CARROT RUST FLY (PSILA ROSAE FABR.) WITH LIQUID SPRAYS AND GRANULAR INSECTICIDES. (GE)
H F Lichte
Gesunde Pflanzen 20(8):157-160
Aug 1968 464.8 G33
Carrots, Diazinon, Dusting, Formulations, Psila rosae, Spraying.

975-69
DISEASES OF CITRUS TREES. (SP)
M Mofica B
Agr Trop 24(2):117-121
Feb 1968 26 AG8
Bacterial diseases (plants), Citrus, Fungus diseases (plants), Plant disease control, Plant nematodes, Virus diseases (plants).

Symptoms and means for control of bacteria, fungi, nematodes, virus and physiological diseases of citrus trees are discussed.

976-69
NOTE: OOSPORES OF SCLEROSPORA PHILIPPINENSIS WESTON FROM CORN LEAF TISSUE.
G Napi-Acedo O R Exconde
Philippine Agr 51(4):279-282
Sep 1967 25 P542
Corn, Cytology, Downy mildew, Fungus diseases (plants), Oospores, Sclerospora.

977-69
ON DIAPORTHE ON PLUM-TREES - A STUDY OF LITERATURE. (SW)
K Olsson
Swed Stat Vaxtskyddsanst Medd 14(117):51-63 REF
1968 464.9 SW3M
Diaporthe, Fungus diseases (plants), Literature, Parasitism, Plums, Research, Trees. English summary

978-69
PIPECOLIC ACID AS AN INDICATOR OF ABNORMAL PROTEIN METABOLISM IN DISEASED PLANTS.
G Palfi L Dezsi
Plant Sail 29(2):285-291 REF
Oct 1968 450 P696
Blast, Chromatography, Leaf roll, Mosaic, Pipecolic acid, Plant diseases, Plant metabolism, Potatoes, Proteins, Rice, Soybeans, Tobacco.

979-69
ON THE METHODS OF THE STUDY OF CHEMICAL-PROPERTIES OF CELLULAR WALLS IN PHYTOPATHOGENIC FUNGI. (RUS)
M N Pirtskhalaishvili G A Makashvili N A Lomtadze
Sel'skokhazyast Bial 3(4):585-586
1968 S13.S44
Cell wall, Cells, Chemistry, Fungi, Phytopathogenic fungi.

980-69
POTATO CULTIVATION IN MYSORE STATE.
B Rajanna T Raja
Lal-Baugh 12(3,JUL-SEP):5-11
1967 80 L15
Food plants, Fungus diseases (plants), Insect pests, Nematodes, Plant protection, Potatoes, Virus diseases (plants). Listing of potato diseases, pests and their control.

981-69
FIXATION OF CARBON DIOXIDE IN THE DARK BY THE MALIC ENZYME OF BEAN AND OAT STEM RUST UREDOSPORES.
P D Rick C J Mirocha
Plant Physial 43(2):201-207 REF
Feb 1968 450 P692
Beans, Biochemistry, Carbon dioxide, Enzymes, Fungus diseases (plants), Oats, Spores, Stem rust.

982-69
METABOLIC REGULATION IN DISEASED LEAVES. 11. CHANGES IN NICOTINAMIDE NUCLEOTIDE COENZYMES IN BARLEY LEAVES INFECTED WITH POWDERY MILDEW.
I J Ryrie K J Scott
Plant Physiol 43(5):687-692 REF
May 1968 450 P692
Barley, Coenzymes, Nicotinamide, Plant biochemistry, Plant metabolism, Powdery mildew.

983-69
STUDIES ON THE MICROFUNGI IN THE FOREST FLOOR OF SUBARCTIC PINE FORESTS.
I Schalin
Acta Forest Fenn 81:1-18 REF
1967 99.9 F492
Cellulose, Forest conservation, Fungi, Humus, Microbiology, Mucor, Penicillium, Pinus, Population, Soil analysis, Tables (data), Trichoderma.

984-69
STREPTOMYCIN RESISTANCE AND MORPHOLOGICAL VARIATION IN PHYTOPHTHORA CACTORUM.
D S Shaw C G Elliott
J Gen Microbiol 51(PT 1):75-84 REF
Apr 1968 448.3 J823
Drug resistance, Morphology, Mutation, Phytophthora cactorum, Streptomycin.

985-69
THE DEATH AND DECAY OF TREES.
A Shigo
Natur Hist 78(3):42-47
Mar 1969 500 N483J
Bacteria, Hardwoods, Plant decay, Plant diseases, Plant injuries, Wood destroying fungi.

986-69
VIRUS LEAF SPOT IN GRAPE PLANTS. (RUS)
P M Sterenberg B N Milkus M I Kusheleva
Sel'skokhozyast Biol 3(4):576-581 REF
1968 S13.S44
Chlorosis, Grapes, Leaf spot, Plant diseases, Serological tests, Virus diseases (plants). English summary

987-69
A NONINFECTIOUS LETHAL LEAF SPOT IN MAIZE.
A J Ullstrip A F Troyer
Ind Acad Sci Proc 77:128
1968 500 IN2
Corn, Genes, Leaf spot, Plant genetics, Plant mutation.

988-69
THE ROLE OF CALCIUM AND CELL PERMEABILITY IN THE DISEASE BLOSSOM-END ROT OF TOMATOES.
B J Van Goor
Physiol Plant 21(5):1110-1121 REF
20 Sep 1968 450 P564 (1)
Blossom end rot, Calcium, Cell wall, Plant cytology, Plant physiology, Tomatoes.

989-69
BLIND SEED DISEASE OF RYEGRASS.
C E Wright
Euphytica 16(1):122-130 REF
Feb 1967 450 EU6
Blind seed disease (lolium perenne), Breeding, Fungus diseases (plants), Gloeotinia temulenta, Lolium, Plant diseases, Seed germination.

ARTHROPODS

990-69
STEM WEEVIL THE PREY FOR TINY WASP.
Anonymous
New Zeal J Agr 116(3):63
Mar 1968 23 N48J
Biological control (insects), Curculionidae, Hymenoptera, Parasitic insects.
The biological control of stem weevils in New Zealand pastures with a parasitic wasp is discussed.

991-69
SOUTH AMERICAN SEARCH FOR GRASS-GRUB SOLUTION.
Anonymous
New Zeal J Agr 116(2):57
Feb 1968 23 N48J
Biological control (insects), Hepialidae, Insect control, Scarabaeidae.
The biological control of grassgrubs and porina caterpillars in South American pastures is discussed. Four species of parasitic insects from South America have been unsucessfully introduced to New Zealand to decrease their biotic potential.

992-69
THE MITE BATTLE GOES ON AND ON.
D Asquith
Amer Fruit Grower 89(2):18
Feb 1969 80 G85
Acaricides, Apples, Chemical control (pests), Fruit, Insect control, Mites, Pesticides, Plant pest resistance, Research, Temperature.

993-69
THE CONTRIBUTION OF INSECT CONTROL TO HIGH YIELDS OF RICE.
R F Chandler
Entomol Soc Amer Bull 14(2):133-135
Jun 1968 423.9 EN8
Chilo suppressalis, Crop yields, Insect control, Insecticides, Rice, Sesamia inferens, Toxicology, Tryporyza incertulas, Tryporyza innotata.

994-69
OPERATIONAL RESEARCH INTO AERIAL CONTROL OF HOPPERS OF THE RED LOCUST (NOMADACRIS SEPTEMFASCIATA SERVILLE) IN AN OUTBREAK AREA.
G J W Dean A R W Crosse-Upcott
Entomol Soc Southern Afr J 31(1):61-74 MAP REF
Mar 1968 420 EN86
Aerial insect control, Chemical control (insects), Dieldrin, Dinitrocresol, Insect migration, Insecticides, Nomadacris septemfasciata.

995-69
CYPRESS BARK MOTH ON MONTEREY CYPRESS.
G W Frankie C S Koehler
Calif Agr 21(1):6-7
Jan 1967 100 C12CAG
Coryneum cardinale, Cupressus macrocarpa, Fungus diseases (plants), Insect pests, Larvae, Laspeyresia cupressana, Moths.

996-69
INFESTING ORANGES WITH LARVAE OF THE FALSE CODLING MOTH, LEPIDOPTERA: CRYPTOPHLEBIA LEUCOTRETA (MEYR.).
M B Georgala
Entomol Soc Southern Afr J 31(2):291-296
Sep 1968 420 EN86
Cryptophlebia leucotreta, Larvae, Oranges.

997-69
DAMAGE TO FIELD CORN BY SYMPHYLANS.
G E Gould C A Edwards
Ind Acad Sci Proc 77:214-221 REF
1968 500 IN2
Chemical control (insects), Corn, Crop losses, Roots, Scutigerella immaculata.

998-69
THE INFLUENCE OF DBCP ON THE SOIL FAUNA IN AZALEA CULTURE.
A Heungens
Pedobiologia 8(3):281-288 REF
1968 56.8 P343
Azalea, Chemical control (insects), DBCP, Greenhouses, Nematocides, Soil fauna.

999-69
STUDIES ON THE WOOLY BEECH SCALE CRYPTOCOCCUS FAGI BAER (INSECTA, COCCINA), A REPRESENTATIVE BARK-SUCKER. (GE)
H Kunkel
Z Angew Entomol 61(4):373-379 REF
May 1968 421 Z36
Bark, Cryptococcus fagi, Insect pests, Plant physiology, Population, Tree injuries. English summary.

1000-69
NATURAL REGULATION AND ARTIFICIAL CONTROL OF BROWN LOCUST NUMBERS.
A Lea
Entomol Soc Southern Afr J 31(1):97-112 MAP REF
Mar 1968 420 EN86
Demography, Grasshoppers, Insect ecology, Natural control (insects).

1001-69
THE ALFALFA WEEVIL LIKES OUR STATE .
R Lehnert
Michigan Farmer 250(11):23-25
Dec 1968 6 M58
Alfalfa, Azinphosmethyl, Chemical control (insects), Chlorinated hydrocarbons, Diazinon, Hypera postica, Insect biology, Insecticides, Malathion, Methoxychlor, Methyl parathion, Organophosphorus compounds, Spraying.

1002-69
A MITE OF THE GENUS TYDEUS (ACARIFORMES, TYDEIDAE) THAT IS A GRAPE PEST IN MOLDAVIA.
N I Mal'chenkova
Entomol Rev 46(1,JAN-MAR):66-68
Mar 1967 421 R322AE
Acarina, Grapes, Insect morphology, Insect physiology, Plant injuries.

1003-69
ASPECTS OF THE BIONOMICS OF DACUS CILIATUS LOEW (DIPTERA: TRYPETIDAE). (AF)
E M Malan J H Giliomee
Entomol Soc Southern Afr J 31(2):373-389 REF
Sep 1968 420 EN86
Cucurbitaceae, Dacus, Insect biology, Longevity. English abstract

1004-69
INVESTIGATIONS OF THE POPULATION FLUCTUATIONS OF OSCINELLA FRIT. (ABSTRACT). (GE)
K Mayer
Z Angew Entomol 61(4):395-396
May 1968 421 Z36
Grain, Grasses, Insect ecology, Oscinella frit, Plant physiology, Population, Temperature. Full text will be published in Deutsche Entomologische Zeitschrift.

1005-69
ENTOMOLOGICAL ASPECTS OF THE CITRUS TREE IN COLOMBIA. (SP)
M Mojica B
Agr Trop 24(5):281-288 REF
May 1968 26 AG8
Catalogs, Chemical control (insects), Citrus, Cultural control (insects).
Chemical, cultural, biological and legislatiue control of insect pests of the citrus industry of Colombia.

1006-69
THE DAMAGE BROUGHT ABOUT BY PHLOEOTRIBUS. (FR)
A Morettini
Inform Oleicoles Inter (N S 42, APR-JUN):65-72
1968 80 IN3
Aldrin, Benzene hexachloride, Chemical control (insects), Chlordane, Coleoptera, DDT, Insect biology, Insecticides, Liothrips oleae, Olives, Phloeotribus.

1007-69
INVESTIGATIONS INTO THE ECOLOGY OF THE COLEOPTERA FAUNA OF COASTAL CULTIVATED LAND NEAR GREIFSWALD. PART I. THE CARABID FAUNA ADJACENT TO FIELDS AND PASTURES WITH INTERMEDIATE FIELD BORDERS. (GE)
G Muller
Pedobiologia 8(3):313-339 MAP REF
1968 56.8 P343
Carabidae, Demography, Groundwater, Habitats, Natural control (insects), Sex ratios. English abstract

1008-69
THE HARVESTER TERMITE, HODOTERMES MOSSAMBICUS (HAGEN), AS A PEST OF NATURAL PASTURE. (AF)
J J C Nel
Entomol Soc Southern Afr J 31(2):309-321 REF
Sep 1968 420 EN86
Chemical control (insects), Crop yields, Dieldrin, Pastures, Termites. English abstract

1009-69
THE BIOLOGICAL CONTROL OF THE EUROPEAN CORN BORER THROUGH THE USE OF BACTERIA.
D Nesbitt H L Zimmack
Ind Acad Sci Proc 77:213
1968 500 IN2
Bacterial diseases (insects), Biological control (insects), Escherichia coli, Ostrinia nubilalis, Serratia marcescens.

1010-69
COMPATIBILITY STUDIES ON BACILLUS THURINGIENSIS BERLINAR WITH CHLORINATED HYDROCARBONS.
M R Rajasekharan R N Pillai N R Rao E Dharmaraju
Andhra Agr J 14(5):167-168
1967 34.2 AN4
Bacillus thuringiensis, Bacteria, Benzene hexachloride, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Endosulfan, Endrin, Toxicology.

1011-69
A REVIEW OF LEPIDOPTEROUS PESTS OF CONIFEROUS FORESTS IN THE BAYKAL REGION.
I A Raygorodskaya
Entomol Rev 46(2,APR-JUN):186-190 REF
Jun 1967 421 R322AE
Catalogs, Conifers, Insect pests, Lepidoptera.

1012-69
BACTERIA INSTEAD OF POISON USED AGAINST THE OAKLEAF ROLLER MOTH, AS A CONTRIBUTION TO BIOLOGICAL PEST CONTROL. (GE)
J Reisch
Z Angew Entomol 61(4):394
May 1968 421 Z36
Bacillus thuringiensis, Biological control (insects), Forest insects, Insect diseases, Insecticides, Tortrix viridana

1013-69
MASS APPEARANCE OF A TYPICAL PERMANENT FOREST INFESTOR, THE LARCH CASEBEARER (COLEOPHORA LARICELLA). (GE)
U Schindler
Z Angew Entomol 61(4):380-385 REF
May 1968 421 Z36
Chalcididae, Coleophora laricella, Forest insects, Insect outbreaks, Insect pests, Parasitic insects, Weather. English summary.

1014-69
LEA BEETLES (PHYLLOTRETA SPECIES) AND SUGAR BEETS. (SHORT COMMUNICATION). (GE)
O Schreier
Pflanzenschutzberichte 35(4/5):59-61
Mar 1967 464.9 P48
Chrysomelidae, Phyllotreta, Sugar beets. English summary. tests show that Phyllotreta do not damage sugar beets.

1015-69
ECOLOGICAL STUDIES ON THE GREEN PEACH APHID, MYZUS PERSICHE (SULZER) AND THE CABBAGE APHID, BREVICORYNE BRASSICAE (LINNAEUS) IN JAPAN, WITH SPECIAL REFERENCE TO THEIR BIOLOGICAL CONTROL.
M Shiga
Mushi 41(6):75-89 REF
10 Sep 1967 421 M97
Biological control (insects), Brevicoryne brassicae, Insect ecology, Insect morphology, Myzus persicae, Zoogeography.

1016-69
ON THE BIOLOGY AND ECOLOGY OF LYGUS VOSSELERI (HETEROPTERA: MIRIDAE) WITH SPECIAL REFERENCE TO ITS HOST-PLANT RELATIONSHIPS.
G O Stride
Entomol Soc Southern Afr J 31(1):17-59 REF
Mar 1968 420 EN86
Cotton, Grain, Insect ecology, Insect rearing, Miridae.

1017-69
PHENOMENA IN THE INFESTATION PATTERN OF PHYTOPHAGOUS INSECTS. (GE)
W Thalenhorst
Z Angew Entomol 61(4):369-372
May 1968 421 Z36
Epinotia tedella, Fertilizers, Forest insects, Insect pests, Picea, Pristiphora ambigua, Stand density. English summary.

1018-69
NOTES ON THE BIOLOGY OF ARTYTAINA SPARTIOPHILA FORSTER AND A. GENISTAE LATREILLE (HOMOPTERA: PSYLLIDAE) ON BROOM (SAROTHAMNUS SCOPARIUS (L.) WIMMER) IN BRITAIN.
R H Watmough
Entomol Soc Southern Afr J 31(1):115-122
Mar 1968 420 EN86
Cytisus, Insect ecology, Life cycle, Psyllidae.

1019-69
WHITE FIR STANDS KILLED BY TUSSOCK MOTHI 70-MM. COLOR PHOTOGRAPHY AIDS DETECTION.
S L Wert B E Wickman
USDA Forest Serv Res Note PSW- 168:1-5
1968 A99.9 F7652
Abies concolor, Aerial photography, Hemerocampa pseudotsugata, Plant protection, Surveys, Tree injuries.

NEMATODES

1020-69
ON THE EFFECT OF INDUSTRIAL AIR POLLUTION ON THE NEMATODE POPULATION IN THE SOIL OF PINE GROVES. (GE)
W Bassus
Pedobiologia 8(3):289-295
1968 56.8 P343
Air pollution, Chemical control (nematodes), Nematodes, Pinus, Soil fauna, Sulfur dioxide. English abstract

1021-69
PRATYLENCHUS THORNEI - A CAUSE OF ROOT NECROSIS IN WHEAT.
R I Baxter C D Blake
Nematologica 14(3):351-361 REF
1968 436.8 N342
Humidity, Necrosis, Pratylenchus thornei, Roots, Wheat.

1022-69
LOSSES CAUSED BY POTATO CYST EELWORM IN THE ISLE OF ELY.
E B Brown L J Coppock
Great Brit NAAS (nat Agr Adv Serv) Quart Rev (80,SUMMER):146-149
1968 241 G796
Crop losses, Heterodera rostochiensis, Nematode population, Plant nematodes, Potatoes, Surveys.

1023-69
THE BIOLOGY OF ROTYLENCHULUS PARVUS.
D R Dasgupta D J Raski
Nematologica 14(3):429-440 REF
1968 436.8 N342
Cotton, Larvae, Plant nematodes, Rotylenchulus parvus, Temperature.

1024-69
CONTROL OF MELOIDOGYNE JAVANICA IN POTATO TUBERS AND M. HAPLA IN THE ROOTS OF YOUNG ROSE BUSHES BY MEANS OF HEATED WATER.
G C Martin
Nematologica 14(3):441-446
1968 436.8 N342
Hot water treatment (plants), Meloidogyne hapla, Meloidogyne javanica, Plant nematodes, Plant pest control, Potatoes, Rosa.

WEEDS

1025-69
POISON PLANTS OF WESTERN AUSTRALIA; THE TOXIC SPECIES OF THE GENERA GASTROLOBIUM AND OXYLOBIUM.
T E H Aplin
West Aust J Agr (SER 4)9(8):356-362 MAP
Aug 1968 23 W52J
Gastrolobium, Livestock, Mortality, Oxylobium, Poisonous plants.

1026-69
SURVEYING THE PRE-EMERGENT CHEMICALS AND IDEAS.
D Brown
Midwest Reg Turf Conf Proc 1968 MEETING:20-22
04 Mar 1968 60.19 M58
Agricultural products, Chemicals, D, 2,4-, Emergence, Herbicides, Surveys, Turf, Weed control. 11 commercial products are discussed.

1027-69
LAWN WEEDS AND THEIR CONTROL.
J D Furrer
Nebr Univ Ext Ec 178:23P
Jun 1968 275.29 N272EX
Chemical control (weeds), Crop varieties, Herbicides, Lawns, Plant physiology, Weeds.

1028-69
DWARFMISTLETOE ON BREWER SPRUCE IN OREGON.
F G Hawksnorth D Wiens D P Graham
Northwest Sci 41(1):42-44
Feb 1967 470 N81
Arceuthobium, Parasitic plants, Picea breweriana, Tree injuries, Zoogeography.

1029-69
CANADA THISTLE AND ITS CONTROL.
J M Hodgson
U S D A Leafl (523):2-8 MAP
Sep 1968 1 AG84L
Accident prevention, Chemical control (weeds), Cirsium arvense, Crop yields, Cultural control (weeds), Herbicides, Integrated control (weeds), Plant injuries, Plant physiology.

1030-69
BROMACIL TESTED AS AN INJECTION HERBICIDE.
P J Huffman
Tenn Farm Home Sci (67,JUL-SEP):18-19
1968 100 T25F
Bromacil, Chemical control (weeds), Economics, Forest management, Herbicides, Injections, Trees.

1031-69
PRE-EMERGENCE HERBICIDES FOR WEED CONTROL IN WALNUTS.
A H Lange B E Day L S Jordan R C Russell
Calif Agr 21(1):2-4
Jan 1967 100 C12CAG
Diuron, Herbicides, Simazine, Walnuts, Weed control.

1032-69
BIOLOGICAL METHODS OF WEED CONTROL. TRANSL. 16892.
J J Lipa S Pruszynski
18 P. REF
Biological control (weeds), Insects, Methodology, Microorganisms, Mollusks, Plant diseases, Plant physiology, Vertebrates, Weeds. Translation from Postepy Nauk Rolniczych 3(105):69-87, 1967

1033-69
WATSONIA; (WATSONIA SPP. AND CHASMANTHE AETHIOPICA (L.) N. E. BROWN).
G R W Meadly
West Aust J Agr 9(8):380-383
Aug 1968 23 W52J
Chasmanthe aethiopica, Dalapon, Herbicides, Watsonia, Weed control.

1034-69
LITTLE NOTICED KINDS OF WEEDS IN TREE NURSERIES. (GE)
M Paetzholdt
Gesunde Pflanzen 19(12):241-244
Dec 1967 464.8 G33
Claytonia perfoliata, Cuscuta, Glechoma hederacea, Nurseries, Pinus, Rorippa sylvestris, Rosa, Weeds.

1035-69
HARDWORKING HERBICIDES.
R D Palmer
Texas Agr Prog 14(3,SUMMER):21-23
1968 100 T31TE
Chemical control (weeds), Field crops, Herbicides, Plant protection. Many herbicides are discussed.

1036-69
SOME CONSIDERATIONS CONCERNING THE PROSPECTIVE USE OF HERBICIDES IN AGRICULTURE. (RUM)
N Sarpe
Probl Agr 20(10):64-69
Oct 1968 21 R862
Conferences, Crop yields, Fertilizers, Herbicides, Integrated control (weeds).

1037-69
WEED SEED RESERVES IN THE SOIL, IN CEREAL CROPS. (RUM)
L Spiridon
Bucharest Univ C I Parhon Grad Bot Lucrarile 365-384
1966 451 B853
Corn, Seed germination, Weeds, Wheat. English summary.

1038-69
SEASONAL DYNAMICS OF WEEDS IN WINTER WHEAT CULTURE. (RUM)
L Spiridon
Bucharest Univ C I Parhon Grad Bot Lucrarile 349-363
1966 451 B853
Climate, Plant physiology, Weeds, Wheat. English summary.

1039-69
CHOU MOELLIER YIELDS DRAMATICALLY INCREASED BY WEED CONTROL.
S M J Stockdill
New Zeal J Agr 116(3):73,75
Mar 1968 23 N48J
Brassica, Chemical control (weeds), Crop yields, Desmetryne, Weed control.

Chemical control of weeds in Chou moellier plantations with desmetryne has resulted in increased crop yields.

1040-69
MACHINERY AND TIMING IN RENOVATION-BLUEGRASS.
C H Tadge
Midwest Reg Turf Conf Proc 1968 MEETING:31-33
04 Mar 1968 60.19 M58
Chemical control (weeds), Equipment, Grasses, Poa annua, Soil analysis, Turf, Weed control.

1041-69
RENOVATION TOWARD BENTGRASS.
T Woehrle
Midwest Reg Turf Conf Proc 1968 MEETING:29-31
04 Mar 1968 60.19 M58
Agrostis, Grasses, Poa annua, Soil analysis, Soil conservation, Tricalcium arsenate, Turf, Weed control.

OTHER PESTS

1042-69
THE CROW MASS TRAP, A POSSIBILITY FOR THE REDUCTION OF THE CARRION CROW POPULATION (CORVUS CORONE CORUNE). (GE)
W Keil
Gesunde Pflanzen 19(3):56-62
Mar 1967 464.8 G33
Agricultural research, Attractants, Bird pests, Crows, Pest control, Traps.

1043-69
THE INDIAN MYNAH.
J L Long
West Aust J Agr 9(8):376-377
Aug 1968 23 W52J
Bird pests, Fruit.

1044-69
THE RED-WHISKERED BULBUL.
J L Long
West Aust J Agr 9(8):378-379
Aug 1968 23 W52J
Bird pests, Fruit, Vegetables.

1045-69
CONTROL OF EARTHWORM.
B N Saxen H G Khalsa
Pesticides 1(8):19-20 REF
Apr 1968 SB951.P43
Chinese soapberries, Chlorinated hydrocarbons, Copper sulfate, DDT, Earthworms, Plant extracts, Plant pest control, Soil sanitation.

LIVESTOCK PROTECTION

1046-69
PISCICULTURE: RAISING TROUT IN SALT WATER. (FR)
Anonymous
Corcoricas Monde (JUL-AUG):14
1968 47.8 C64
Feeding, Fish conservation, Fish culture, Productivity, Saline water, Trout.

1047-69
THE FOURTH STUDY CIRCLE ON THE PROBLEMS AND VARIOUS OPTIONS OF ANIMAL NUTRITION LYON 1968. (FR)
Anonymous
Corcoricas Monde (JUL-AUG):21-23
1968 47.8 C64
Agricultural industries, Animal nutrition, Estrogens, Hygicne, Productivity, Research.

1048-69
BIOGENIC MONOAMINES IN HIRUDO MEDICINALIS.
B Ehinger B Falck H E Myhrberg
Histochemie 15(2):140-149 REF
1968 384 H622
Amines, Animal anatomy, Animal physiology, Biochemistry, Catechol amines, Cell nucleus, Chromatography, Fluorescence microscopy, Ganglion cells, Hirudinea, Indole, Nerves, Nervous system, Plasma membrane. Fifty medical leeches were used in the study.

1049-69
THE PRIMARY IMPORTANCE OF FOOD. (FR)
R Ferrando
Corcoricas Monde (JUL-AUG):4-7
1968 47.8 C64
Agricultural industries, Agriculture, Animal breeding, Cattle, Feed, Fertilizers, Food nutritive value, Meat, Proteins, Vitamin a.

1050-69
THE EFFECT OF MALACHITE GREEN AS A FUNGICIDE.
R Martin
Ohio J Sci 68(2):118-121 REF
Mar 1968 410 OH3
Aquatic fungi, Chemical control (pests), Dyes, Fish, Fungicides, Malachite green, Parasitism, Research, Roe, Water.

1051-69
RECENT RESEARCH ON ENZYME INDUCTION. IN: EXPERIMENTAL EMBRYOLOGY TO MOLECULAR BIOLOGY. EDITED BY E. WOLFF. (FR)
J Turchini
143-169 REF PARIS, DUMOND
1967 QH431.W6
Animals, Biochemistry, Embryology, Enzymes, Histochemistry, Research.

DISEASES

1052-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. PART 74. SCABIES IN SHEEP. INTERSTATE MOVEMENT.
R J Anderson
Fed Regist 34(46):5007-5008
08 Mar 1969 L1.451
Animals, Infectious diseases, Interstate commerce, Livestock diseases, Scabies, Sheep.

1053-69
INTRODUCTION OF FOREIGN DISEASES MUST BE PREVENTED.
R H Ansell
New Zeal J Agr 116(3):59,61,63
Mar 1968 23 N48J
Epizootic diseases, Insect vectors, Livestock diseases, Pest control.

Case histories of disease outbreaks are discussed to stimulate New Zealand farmers to be alert to possible foreign livestock diseases and to the relevant governmental regulations.

1054-69
THE RE-APPEARANCE OF RABIES IN FRANCE. THE FIRST CASE IN A FOX FROM THE MOSELLE REGION. (FR)
P Atanasiu A Gamet P Graviere M Le Guilloux J C Guillou Et Al
Acad Vet France Bull 41(4):161-163
04 Apr 1968 41.9 R24
Foxes, Rabies.

1055-69
ON THE CULTIVATION OF TRYPANOSOMA BRUCEI AND OF ITS REPRODUCTIVE CAPACITY IN VIRUS-INFECTED HOSTS. (GE)
K Bienz
Acta Trop 25(1):39-71 REF
1968 475 AC8
Chickens, Mice, Miyagawanella group viruses, Poultry diseases, Tissue culture, Trypanosoma brucei, Virus diseases (animals). English and French abstracts

1056-69
WHEAT AS A STOCK FODDER.
A J Boyle J P Sjostedt R E Freer C F Cargill

New S Wales Dep Agr Div Plant Indus Bull P 361:8P
1968 23 N47BP
Agricultural economics, Agricultural education, Animal nutrition, Avitaminosis, Feed, Feed toxicity, Food nutritive value, Limestone, Livestock, Prices, Tables (data), Vitamin a, Wheat.

1057-69
HINTS ON THE USE OF HIGH-PERCENTAGE HYDROGENPEROXIDE PREPARATIONS IN THE TREATMENT OF CALF MYCOSIS. (GE)
E Brater R Ludewig C Schonborn
Monatsh Vet 23(7):258-259
01 Apr 1968 41.8 M742
Cattle, Drug therapy, Hydrogen peroxide, Livestock diseases, Mycosis. English and Russian summaries.

1058-69
MARKET CATTLE TESTING FOR BRUCELLOSIS AND TUBERCULOSIS.
Can Dep Agr Publ 1364:6P
1968 7 C16PU
Agricultural education, Blood analysis, Brucellosis, Cattle, Cattle testing, Infectious diseases, Livestock diseases, Marketing, Tuberculosis.

1059-69
CONTROL OF EQUINE INFECTIOUS ANEMIA (SWAMP FEVER).
Can Dep Agr Publ 1363:6P
1968 7 C16PU
Agricultural education, Disease control, Equine infectious anemia, Horses, Infectious diseases, Symptomatology, Virus diseases (animals).

1060-69
SEROLOGICAL CLASSIFICATION OF SOVIET STRAINS OF LEPTOSPIRA BELONGING TO THE GROUP HEBDOMADIS.
Y G Cernukha R A Isayeva
J Hyg Epidemiol Microbiol Immunol 12(4):473-481 REF
1968 448.8 J826
Antibodies, Leptospira, Serological tests, Taxonomy.

1061-69
RABBIT DESTRUCTION PRESENT AND FUTURE.
E Chisholm
New Zeal J Agr 116(3):68-69,71
Mar 1968 23 N48J
Legislation, Pest control, Rabbits.
The achievements of the Rabbit Destruction Council in New Zealand are discussed. The economic values of the different control methods are given.

1062-69
EFFECT OF SPECIFIC IMMUNE MOUSE SERUM ON THE GROWTH OF SALMONELLA ENTERITIDIS IN NONVACCINATED MICE CHALLENGED BY VARIOUS ROUTES.
F M Collins
J Bacteriol 97(2):667-675 REF
Feb 1969 448.3 J82
Bacterial diseases (animals), Immunization, Mice, Salmonella enteritidis, Serum.

1063-69
EFFECT OF SPECIFIC IMMUNE MOUSE SERUM ON THE GROWTH OF SALMONELLA ENTERITIDIS IN MICE PREIMMUNIZED WITH LIVING OR ETHYL ALCOHOL-KILLED VACCINES.
F M Collins
J Bacteriol 97(2):676-683 REF
Feb 1969 448.3 J82
Immunity, Mice, Salmonella enteritidis, Vaccines.

1064-69
THE POSSIBLE INVOLVEMENT OF THIAMINE IN THE AETIOLOGY OF CEREBRO-CORTICAL NECROSIS.
E T Davies A H Pill
Vet Rec 83(26):681-682
28 Dec 1968 41.8 V641
Amprolium, Avitaminosis, Brain, Calves, Enzymes, Livestock diseases, Necrosis, Thiamine.

1065-69
INVESTIGATION OF THE GENERAL OCCURRENCE OF PATHOLOGIC-ANATOMIC CHANGES IN THE OVARIES OF CATTLE- A NEW WAY IN THE FIGHT AGAINST STERILITY. (GE)
R Dieter
Tierarztl Umsch 23(11):516-518
01 Nov 1968 41.8 T445
Cattle, Livestock diseases, Ovarian cysts, Ovaries, Sterility.

1066-69
NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE SULFADIMETHOXINE.
R E Duggan
Fed Regist 34(47):5086
11 Mar 1969 L1.451
Coccidiosis, Food additives, Fowl cholera, Livestock diseases, Sulfadimethoxine, Turkeys, Water.

1067-69
FOOT-AND-MOUTH DISEASE (I).
J Edwardson
Great Brit Min Agr Fish Food Agr 75(9):443-446
Sep 1968 10 G79J
Baby pigs, Cattle, Diagnosis, Epidemiology, Foot-and-mouth disease, Livestock diseases, Milk analysis, Virus diseases (animals). To be continued

1068-69
A STUDY ON THE SYNTHESIS AND ABSORPTION OF CHOLESTEROL IN HYDATID CYSTS (ECHINOCOCCUS GRANULOSUS).
G J Frayha
Compar Biochem Physiol 27(3):875-878 REF
Dec 1968 444.8 C73
Cestoda, Cholesterol, Larvae, Radioactive tracers.

1069-69
PROBLEMS OF CATTLE LEUCOSIS: PRODUCTION LOSS - INFLUENCE OF HEREDITY AND ENVIRONMENT ON PROPAGATION CONTROL. (GE)
E Gehrke W Verter
Monatsh Vet 23(7):249-255 REF
01 Apr 1968 41.8 M742
Agricultural regulation, Cattle, Economics, Environment, Heredity, Leukosis, Livestock diseases. English and Russian summaries.

1070-69
IMMUNOFLUORESCENT DEMONSTRATION OF STAPHYLOCCAL LEUCOCIDIN COMPONENTS F AND S.
A Gershon G P Gladstone
Brit J Exp Pathol 49(5):477-495 REF
Oct 1968 448.8 B772
Antigens, Bacteria, Cells, Fluorescent antibody technic, Immunochemistry, Leucocidin, Rabbits, Research, Staphylococcus, Tables (data).

1071-69
EFFECT OF VOLATILE FATTY ACIDS ON SALMONELLA TYPHIMURIUM.
J M Goepfert R Hicks
J Bacteriol 97(2):956-958
Feb 1969 448.3 J82
Bactericides, Fatty acids, Salmonella typhimurium, Temperature.

1072-69
ENLARGED THYROID GLANDS IN CALVES BORN TO HEIFERS FED A SOLE DIET OF LEUCAENA LEUCOCEPHALA.
R I Hamilton L E Donaldson L J Lambourne
Australian Vet J 44(10):484
Oct 1968 41.8 AU72
Calves, Cattle, Leucaena glauca, Poisonous plants, Thyroid gland.

1073-69
CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF THE MONOCYSTOSIS-PRODUCING AGENT OF LISTERIA MONOCYTOGENES.
I A Holder C P Sword
J Bacteriol 97(2):603-611 REF
Feb 1969 448.3 J82
Bacterial diseases (animals), Chemical analysis, Listeria monocytogenes, Metabolism.

1074-69
MINERAL DEFICIT IN CATTLE OF THE SZCZECIN VOYEVODSHIP. (GE
A Jedrzejowski
Monatsh Vet 23(2):56-59
15 Jan 1968 41.8 M742
Bolus, Breeding, Cattle, Cobalt, Deficiency diseases, Metabolism, Oxides, Therapeutics. Russian and English summaries.

1075-69
COOPERATION BETWEEN VETERINARY EXAMINATION CENTERS AND VACCINATION STATIONS OF HUMAN MEDICINE IN THE CONTROL AND PROTECTION OF PERSONS POTENTIALLY EXPOSED TO RABIES INFECTION. (GE)
U Johannsen P Rittenbach
Monatsh Vet 23(7):266-270 REF
01 Apr 1968 41.8 M742
Animal diseases, Diagnosis, Human diseases, Immunization, Rabies, Veterinary medicine. English and Russian summaries.

1076-69
ACQUIRED RESISTANCE TO BABESIA DIVERGENS IN EXPERIMENTAL CALVES.
L P Joyner S F M Davies
J Protozool 14(2):260-262
May 1967 439.8 J82
Animal diseases, Babesia divergens, Cattle, Immunity, Laboratory animals, Protozoa.

1077-69
THE NEPHROSIS-NEPHRITIS SYNDROME IN CHICKENS CAUSED BY A HOLTE STRAIN OF INFECTIOUS BRONCHITIS VIRUS.
R J Julian N G Willis
Can Vet J 10(1):18-19
Jan 1969 41.8 R3224
Gumboro disease, Histopathology, Infectious bronchitis virus, Infectious diseases, Lesions, Nephritis, Poultry diseases.

1078-69
APPLICATION OF LATEX-AGGLUTINATION TO THE MEASUREMENT OF ANTIBODY RESPONSE TO M. PNEUMONIAE VACCINES.
M Kende
Ind Acad Sci Proc 77:124
1968 500 IN2
Agglutination, Antibodies, Latex, Methodology, Mycoplasma pneumoniae, Serological tests, Vaccines.

1079-69
LIPIDOSIS OF THE HEPATIC RETICULO-ENDOTHELIAL CELLS IN A SHEEP.
L Laws J R Saal
Australian Vet J 44(9):416-417
Sep 1968 41.8 AU72
Cells, Cytoplasm, Diagnosis, Histochemistry, Lipids, Liver, Livestock diseases, Reticuloendothelial system, Sheep.

1080-69
TOXICITY OF CROTALARIA MUCRONATA TO SHEEP.
L Laws
Australian Vet J 44(10):453-455 REF
Oct 1968 41.8 AU72
Crotalaria mucronata, Mortality, Poisonous plants, Sheep.

1081-69
NEURONOPATHY IN SHEEP FED SWAINSONA LUTEOLA AND S. GALEGIFOLIA.

L Laws R B Anson
Australian Vet J 44(10):447-452 REF
Oct 1968 41.8 AU72
Ataxia, Biochemistry, Central nervous system, Histochemistry, Poisonous plants, Sheep, Swainsona.

1082-69
RUMEN BACTERIA. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Ley
Fed Regist 34(46):5038
08 Mar 1969 L1.451
Bacteria, Drug therapy, Drugs, Rumen, Stimulants.

1083-69
SULFAMERAZINE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Ley
Fed Regist 34(49):5187
13 Mar 1969 L1.451
Drug therapy, Drugs, Infectious diseases, Livestock diseases, Sulfamerazine, Veterinary medicine, Water.

1084-69
SODIUM ARSANILATE TABLETS FOR WATER MEDICATION. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.
H L Ley
Fed Regist 34(41):3712
01 Mar 1969 L1.451
Accident prevention, Dosage, Drug therapy, Livestock diseases, Sodium arsanilate, Swine dysentery.

1085-69
STUDIES ON THE BLOOD PARASITES OF VARIOUS WILD BIRDS OF SWITZERLAND. (GE)
V Lovrics
Acta Trop 24(1):19-58 REF
1967 475 AC8
Birds, Blood parasites, Demography, Plasmodium. English and French abstracts

1086-69
WATER BALANCE IN PINOTTII MALARIA OF PIGEONS.
R D Manwell W B Stone
J Protozool 14(3):473-476 REF
Aug 1967 439.8 J82
Animal diseases, Malaria, Pigeons, Plasmodium pinottii, Protozoa, Water.

1087-69
A NEW SALMONELLA SEROTYPE OF THE C 2 GROUP, SALMONELLA SANDOW. (GE)
G Mueller J Kiesewalter
Monatsh Vet 23(7):265
01 Apr 1968 41.8 M742
Livestock diseases, Meat, Salmonella sandow, Serological tests, Swine. English and Russian summaries.

1088-69
INSULIN AND THYROID HORMONES IN RELATION TO MAMMARY DEVELOPMENT IN HYPOPHYSECTOMIZED RABBITS.
A Norgren
Lund Univ Acta Univ Lundensis Sect 1 1 Med Math Sci Ker Nat (34):17P REF
1967 502 L97A
Cortisone, Growth factors, Hormones, Insulin, Mammary glands, Ovaries, Rabbits, Thyroid gland.

1089-69
FIMBRIATION, PELLICLE FORMATION AND THE AMOUNT OF GROWTH OF SALMONELLAS IN BROTH.
D C Old I Corneil L F Gibson A D Thomson J P Duguid
J Gen Microbiol 51(PT 1):1-16 REF
Apr 1968 448.3 J823
Culture media, Hemagglutination, Oxygen, Salmonella typhimurium.

1090-69
RELATIONSHIP BETWEEN INDOLE PRODUCTION, NITRATE PRODUCTION AND CARBOHYDRATE FERMENTATION IN VIBRIO CHOLERAE.
A Ozawa
Jap J Microbiol 11(1):25-31
Mar 1967 448.8 J273
Carbohydrates, Fermentation, Indole, Metabolism, Nitrites, Vibrio.

1091-69
EQUINE COITAL EXANTHEMA.
R R Pascoe P B Spradbrow T J Bagust
Australian Vet J 44(10):485
Oct 1968 41.8 AU72
Coital exanthema, Horses, Reproductive organs, Virus diseases (animals).

1092-69
MYCOTOXINS IN POULTRY FOODS.
B A Peddie
Poultry Farmer (Sydney) 35(52):10,12,14,16,18
29 Jun 1968 280.28 OR32
Food contamination, Fungus diseases (animals), Microorganisms, Mortality, Mycosis, Mycotoxicosis, Mycotoxins, Poultry diseases.

1093-69
AN ELECTRON MICROSCOPIC STUDY OF TRANSMISSIBLE GASTROENTERITIS IN SWINE.
M Pensaert
Ind Acad Sci Proc 77:157
1968 500 IN2
Animal physiology, Electron microscopy, Gastroenteritis, Swine, Virus diseases (animals).

1094-69
COMPARISON OF UNDEFINED MEDIUM AND ITS DIALYZABLE FRACTION FOR GROWTH OF MYCOPLASMA.
M E Pollock S Vf Bonner
J Bacteriol 97(2):522-525
Feb 1969 448.3 J82
Bacterial diseases (animals), Chemical analysis, Dialysis, Mycoplasma.

1095-69
SERUM-MEDIATED IMMUNE CELLULAR RESPONSES TO BRUCELLA MELITENSIS. V. INFECTION OF MACROPHAGES UNDER ANAEROBIC CONDITIONS.
D J Ralston S S Elberg
J Bacteriol 97(2):471-480 REF
Feb 1969 448.3 J82
Bacterial diseases (animals), Brucella melitensis, Immunity, Macrophages, Oxygen, Serum.

1096-69
ON A NEW AND CHANGED PICTURE OF THE SOCALLED EDEMA DISEASE IN THE DIFFERENTIAL DIAGNOSIS OF HOG CHOLERA. 5TH. COMMUNICATION. THE PART PLAYED BY THE LIVER IN THE COURSE OF THE DISEASE. (GE)
E Rexroth
Tierarztl Umsch 23(11):520-532 REF
01 Nov 1968 41.8 T445
Diagnosis, Edema disease, Hog cholera, Liver, Swine.

1097-69
AN ANTI-BRUCELLA PRINCIPLE OF PERITONEAL MACROPHAGES.
H R Rezai
Australian J Exp Biol Med Sci 46(PT 6):783-785
Dec 1968 442.8 AU7
Antimetabolites, Brucella abortus, Guinea pigs, Immunization, Macrophages.

1098-69
ADOPTIVE TRANSFER OF IMMUNITY TO BABESIA RODHAINI BY SPLEEN CELLS FROM IMMUNE RATS.
J A Roberts
Australian J Exp Biol Med Sci 46(PT 6):807-808 REF
Dec 1968 442.8 AU7
Babesia, Blood parasites, Immunity, Spleen, Tissue grafting.

1099-69
SUGAR TRANSPORT IN MYCOPLASMA GALLISEPTICUM.
S Rottem S Razin
J Bacteriol 97(2):787-792 REF
Feb 1969 448.3 J82
Biochemistry, Mycoplasma gallisepticum, Plant translocation, Sugars, Temperature.

1100-69
VARIABLE RESULTS OF SODIUM DEOXYCHOLATE TESTS OF NODAMURA VIRUS, AN ETHER AND CHLOROFORM RESISTANT ARBOVIRUS.
W F Scherer
Soc Exp Biol Med Proc 129(1):194-199
Oct 1968 442.9 SO1
Chloroform, Ethers, Nodamura virus, Research, Sodium deoxycholate, Virucides, Virus diseases (animals).

1101-69
THE MOLECULAR STRUCTURE OF THE TRANSDUCING PARTICLES OF SALMONELLA-PHAGE P 22. I. DENSITY GRADIENT ANALYSIS OF INTACT PHAGES. (GE)
H Schmieger
Z Vererbungslehre 201(4):336-347 REF
15 Nov 1968 442.8 Z34
Bacteriophages, Centrifugation, Methodology, Salmonella. English abstract

1102-69
BIOLOGICAL OBSERVATIONS ON SOME SANDFLIES (PHLEBOTOMUS) OF RANCHO GRANDE (VENEZUELA). 4. INVESTIGATION OF ALIMENTARY PREFERENCE OF THE FEMALES OF P. TOWNSENDI IN NATURE. (SP)
J V Scorza I Ortiz I McLure
Acta Biol Venezuelica 6(1):41-51
31 Mar 1968 475 AC86
Food habits, Insect vectors, Leishmaniasis, Methodology, Phlebotomus, Serological tests. English abstract

1103-69
A PROTECTIVE BAG FOR TEATS OF COWS AS A PREVENTIVE MEASURE AGAINST MASTITIS. (GE)
D Sencek
Tierarztl Umsch 23(11):534
01 Nov 1968 41.8 T445
Cattle, Livestock diseases, Mastitis, Preventive medicine, Teats.

1104-69
MORPHOLOGIC AND HISTOCHEMICAL NATURE OF ANAPLASMA MARGINALE.
C F Simpson J M Kling J N Love
Amer J Vet Res 28(125):1055-1065 REF
Jul 1967 41.8 AM3A
Anaplasma, Blood analysis, Electron microscopy, Histochemistry.

1105-69
THE SUSCEPTIBILITY OF SOME AUSTRALIAN FAUNA TO INFECTION WITH FOOT AND MOUTH DISEASE VIRUS.
W A Snowdon
Australian J Exp Biol Med Sci 46(PT 6):667-687 REF
Dec 1968 442.8 AU7
Cattle, Foot-and-mouth disease virus, Serological tests, Virus diseases (animals), Wildlife.

1106-69
THE ISOLATION OF INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS FROM BOVINE SEMEN.
P B Spradbrow
Australian Vet J 44(9):410-412 REF
Sep 1968 41.8 AU72

Animal disease transmission, Artificial insemination, Cattle, Infectious bovine rhinotracheitis virus, Livestock diseases, Semen. Contaminated semen might produce infection.

1107-69
ELECTRON MICROSCOPY AS AN AID TO THE RAPID IDENTIFICATION OF ANIMAL VIRUSES.
P B Spradbrow
Australian Vet J 44(9):427
Sep 1968 41.8 AU72
Diagnosis, Electron microscopy, Serological tests, Virology, Virus diseases (animals).

1108-69
THE SUSCEPTIBILITY OF MICE TO LEPTOSPIRA POMONA.
P B Spradbrown
Australian J Exp Bial Med Sci 46(PT 6):787-789
Dec 1968 442.8 AU7
Leptospira pomona, Mice, Susceptibility.

1109-69
UNCOATING AND DEVELOPMENT OF VACCINIA VIRUS IN TISSUECULTURED CELL-FRAGMENTS INDUCED WITH CONCENTRATED EXTRACTS FROM MARINE ALGAE.
T J Starr O Holtermann
Ind Acad Sci Prac 77:125-126
1968 500 IN2
Algae, Cytology, Plant extracts, Tissue culture, Vaccinia virus.

1110-69
SPLENITIS IN HORSES.
R A Swan
Australian Vet J 44(10):459-461
Oct 1968 41.8 AU72
Abscesses, Horses, Livestock diseases, Mortality, Spleen.

1111-69
INHIBITORS OF BACTERIAL GROWTH IN HORSE KIDNEY. PRELIMINARY REPORT. (FI)
O A Tiainen
Suamen Elainlaakarilehti 74(9):308-309
Sep 1968 41.8 F49
Antibiotics, Bacterial diseases (animals), Culture media, Growth, Horses, Inhibitors, Kidneys, Sarcina lutea. English summary.

1112-69
SEROLOGIC EVIDENCE OF DISEASES IN TEXAS COYOTES.
D O Trainer F F Knowlton
J Wildlife Manage 32(4):981-983 REF
Oct 1968 410 J827
Animal diseases, Coyotes, Infectious diseases, Serological tests. Some of the diseases tested were: Brucellosis, tularemia, eastern and western viral encephalitis, vesicular stomatitis, encephalomyocarditis, and infectious canine hepatitis.

1113-69
ATTACHMENT OF BDELLOVIBRIO BACTERIOVORUS TO CELL WALL MUTANTS OF SALMONELLA SPP. AND ESCHERICHIA COLI.
M Varon M Shilo
J Bacteriol 97(2):977-979
Feb 1969 448.3 J82
Bdellovibrios, Cell wall, Escherichia coli, Mutations, Parasitism, Salmonella.

1114-69
EXPERIMENTAL WHITEWOOD, ATALAYA HEMIGLAUCA, POISONING IN THE HORSE. (ABSTRACT).
J H Whittem
Australian Vet J 44(9):426
Sep 1968 41.8 AU72
Atalaya hemiglauca, Crotalaria retusa, Diagnosis, Horses, Poisoning, Poisonous plants, Walkabout disease

1115-69
THE RECOMBINATION OF BROMOURACIL-CONTAINING DEOXYRIBONUCLEIC ACID IN SALMONELLA TYPHIMURIUM TRANSDUCTION.
B M Wilkins
J Gen Microbial 51(PT 1):107-114 REF
Apr 1968 448.3 J823
Bacteriophages, Biochemistry, Deoxyribonucleic acid, Electron microscopy, Salmonella typhimurium.

1116-69
STUDIES ON THE ETIOLOGY OF BOVINE LEUCOSIS - 4. GENETIC STUDIES. (GE)
W Wittmann
Monatsh Vet 23(7):255-258 REF
01 Apr 1968 41.8 M742
Animal genetics, Cattle, Etiology, Immunity, Leukosis, Livestock diseases, Research. English and Russian summaries.

1117-69
SEROLOGICAL CHANGES IN EX-GERMFREE RATS MONO-ASSOCIATED WITH SALMONELLA TYPHIMURIUM.
B S Wostmann
Ind Acad Sci Prac 77:124-125
1968 500 IN2
Diagnosis, Electrophoresis, Germ-free life, Proteins, Rats, Salmonella typhimurium, Serological tests.

1118-69
METABOLISM OF GLUCOMANNAN-PROTEIN DURING GERMINATION OF BEAN RUST SPORES.
W K Wynn C Gajdusek
Bayce Thampsan Inst Contrib 24(5,OCT-DEC):123-138 REF
Dec 1968 451 B69
Beans, Fungus diseases (plants), Plant metabolism, Puccinia graminis, Rust, Spore germination.

ARTHROPODS

1119-69
BLACK FLIES (DIPTERA, SIMULIDAE) OF VOLOGDA REGION AND THEIR CONTROL.
S I Adrianov
Entamal Rev 46(1,JAN-MAR):107-110
Mar 1967 421 R322AE
Catalogs, Chemical control (insects), DDT, Simuliidae, Zoogeography.

1120-69
ON THE TRYPANOSOME-INFECTION RATE OF GLOSSINA MORSITANS IN THE ULANGA DISTRICT, (TANZANIA).
R Geigy M Kauffmann P Diehl
Acta Trop 25(1):72-77
1968 475 AC8
Glossina morsitans, Insect vectors, Surveys, Trypanosoma.

1121-69
ERADICATION OF CATTLE TICK (BOOPHILUS MICROPLUS) FROM MAGNETIC ISLAND, QUEENSLAND, IN THE PRESENCE OF NATIVE FAUNA.
L A Y Johnston R H Wharton J H Calaby
Australian Vet J 44(9):403-405
Sep 1968 41.8 AU72
Boophilus microplus, Cattle, Horses, Mammals, Pest control, Wildlife. Removal of horses and cattle 26 weeks eradicated the ticks.

1122-69
SOME PARASITES OF THE COMMON CROW, CORVUS BRACHYRHYNCHOS BREHM, OHIO.
J Jones
Ohia J Sci 68(1):25-31 REF
Jan 1968 410 OH3
Arachnida, Cestoda, Crows, Nematodes, Parasitism, Research.

1123-69
AUTO-ECOLOGY OF SOME SIMULIIDAE SPECIES. (GE)
W Ruhm
Z Angew Entomol 61(4):466-471
May 1968 421 Z36
Boophthora erythrocephala, Cattle, Insect ecology, Livestock diseases, Mortality, Ovulation, Simuliidae. English summary.

1124-69
TINEA COLUMBARIELLA WCK. AS A PEST ON IMPORTED DUCK FEATHERS. (GE)
H Strumpel
Anz Schadlingskunde 41(6):84-88
Jun 1968 421 AN9
Ducks, Experimental insects, Feathers, Insect biology, Insect identification, Insect morphology, Insect rearing, Larvae, Tinea columbariella. English summary.

1125-69
INVESTIGATIONS CONCERNING THE ECOLOGY AND CONTROL OF THE FACE FLY, MUSCA AUTUMNALIS DE GEER. (GE)
R Wiesmann
Entamal Gesell Basel 17(3):61-77 REF
Sep 1967 QL461.E58
Attractants, Brucella abortus, Chemical control (insects), Hydrotaea, Insect behavior, Insect ecology, Insect morphology, Insect pests, Insect taxonomy, Insect vectors, Livestock, Livestock diseases, Musca autumnalis, Rickettsia conjunctivae-bovis, Zoogeography.

PARASITES

1126-69
PNEUMOSTRONGYLUS TENUIS IN WHITE-TAILED DEER IN MAINE.
D F Behrend J F Witter
J Wildlife Manage 32(4):963-966
Oct 1968 410 J827
Deer, Nematodes, Parasitism, Pneumostrongylus tenuis.

1127-69
PLUNGE OR SHOWER DIPS.
J T Fearn
S Australia J Agr 72(1):34-39
Aug 1968 23 SO84
Dipping, Equipment, Sheep.

1128-69
THE ANTHELMINTIC ACTIVITY OF THE OPTICAL ISOMERS OF TETRAMISOLE IN SHEEP AND CATTLE.
B A Forsyth
Australian Vet J 44(9):395-400
Sep 1968 41.8 AU72
Anthelmintics, Cattle, Dosage, Helminthiasis, Isomers, Nematodes, Sheep, Tetramisole.

1129-69
ON FISCHOEDERIUS COBBOLDI--A POUCHED AMPHISTOME FROM CATTLE IN INDIA.
N K Gupta T Dutta
Panjab Univ Res Bull (N s)18(PT 1-2):41-52
Jun 1967 513 EA72
Cattle, Morphology, Taxonomy, Trematoda.

1130-69
TREATMENT OF EXPERIMENTALLY-INDUCED LUNGWORM OF THE CAT BY PARENTERAL ADMINISTRATION OF TETRAMISOLE.
J M Hamilton
Vet Rec 83(26):665-666
28 Dec 1968 41.8 V641
Aelurostrongylus abstrusus, Anthelmintics, Cats, Drug therapy, Tetramisole.

1131-69
THE PATHOGENICITY OF CHABERTIA OVINA IN CALVES.

JG Ross J R Todd
Vet Rec 86(26):682-683
28 Dec 1968 41.8 V641
Anemia, Calves, Chabertia ovina, Diarrhea, Helminthiasis, Hemorrhage.

1132-69
ANTIBODY AND CELLULAR RESPONSE IN LAMBS IMMUNIZED AGAINST TRICHOSTRONGYLUS AXEI.
P K Sinha
Amer J Vet Res 28(124):799-808 REF
May 1967 41.8 AM3A
Antibodies, Serological tests, Sheep, Trichostrongylidae.

COMMODITY PROTECTION

ARTHROPODS

1133-69
TERMITE REARING AND TESTING OF MAKROLIN AS A WOODPRESERVATIVE AGAINST TERMITES. (ISOPTERATERMITIDAE).
M W Roomi I A Khan S H Ahsrafi
Pakistan J Sci Indus Res 10(3):225-227
Jul 1967 475 P174
Chemical control (insects), Insect rearing, Lumber preservatives, Termites.

MICROBIAL CONTAMINATION

1134-69
BOTULISM AFTER EATING PORK IN DORTMUND. (GE)
W Alterauge
Arch Lebensmittelhyg 19(5):113-114
May 1968 41.8 L49
Bacterial diseases (animals), Botulism, Diagnosis, Food poisoning, Pork.

1135-69
ON THE MICROBIOLOGICAL QUALITY OF HEN'S EGGS. (FI)
M Kyti L Tuomainen E Nikunen M Uotila
Suomen Elainlaakarilehti 74(9):297-306 REF
Sep 1968 41.8 F49
Chickens, Eggs, Microbial contamination, Microbiology, Molds, Storage, Storage diseases. English, German and Swedish summaries.

ENVIRONMENTAL CONTAMINATION

1136-69
FISH DEATHS AND PLANT PROTECTION PREPARATIONS. (GE)
G Nietzke
Gesunde Pflanzen 19(12):254-258
Dec 1967 464.8 G33
Fish culture, Fishkill, Fungicides, Herbicides, Insecticides, Plant protection, Spraying, Toxicity. Listing of chemicals dangerous to aquatic life.

RESIDUES

1137-69
DISTRIBUTION OF RADIOACTIVITY IN MILK RESULTING FROM ORAL ADMINISTRATION OF 14C-LABELED CARBARYL.
R L Baron N J Palmer R Ross J Doherty W C Jacobson
Ass Offic Anal Chem J 51(1):32-34 REF
Jan 1968 381 AS7
Carbaryl, Carbon isotopes, Chemical reactions, Chromatography, Milk, Pesticide residues, Radioactivity.

1138-69
CAUTION WITH CHEMICALS.
P Burdett
Midwest Reg Turf Conf Proc 1968 MEETING:24-26
04 Mar 1968 60.19 M58
Accident prevention, Accidents, Agricultural products, Chemicals, Pesticide residues, Spraying equipment.

1139-69
METHOXYCHLOR AS A BLACKFLY LARVICIDE, PERSISTENCE OF ITS RESIDUES IN FISH AND ITS EFFECT ON STREAM ARTHROPODS.
G E Burdick H J Dean E J Harris J Skea C Frisa Et Al
N Y Fish Game J 15(2):121-142 REF
Jul 1968 410 N48
Aquatic insects, Chlorinated hydrocarbons, DDT, Fish, Insecticide residues, Larvicides, Methoxychlor, Streams, Water pollution.

1140-69
STUDIES OF EFFECTS OF DURSBAN AND FENTHION INSECTICIDES ON WILDLIFE.
W E Burgoyne
Down Earth 24(2,FALL):31-33
1968 381 D75
Chemical control (insects), Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O f, Insecticide residues, Insecticides, Surveys, Water analysis, Wildlife.

1141-69
RESPONSIBILITIES AND ORGANISATION OF TOXICOLOGY IN VETERINARY MEDICINE. (GE)
W=Caue H J Rummler
Monatsh Vet 23(7):241-246
01 Apr 1968 41.8 M742
Chemistry, Herbicides, Livestock, Pesticide residues, Pesticides, Toxicology, Veterinary medicine. English and Russian summaries.

1142-69
STUDIES OF LOSSES OF PESTICIDES DURING SAMPLE PREPARATION.
M Chiba H V Morley
Ass Offic Anal Chem J 51(1):55-62
Jan 1968 381 AS7
Animal extracts, Carbaryl, Carbon isotopes, Chromatography, Dieldrin, Evaporation, Filters, Pesticide residues, Plant extracts, Polarization, Soil extracts.

1143-69
DETERMINATION OF DDT RESIDUES AND ITS METABOLITES IN PASTEURIZED FROZEN YOLKS BY GAS-LIQUID CHROMATOGRAPHY. (POL)
A Ciesliczak W Martinek J Zerbe
Chem Anal 23(5):1133-1140 REF
1968 385 C4233
Acetone, Chromatography, DDT, Egg yolks, Florisil, Insecticide residues, Metabolites, Pasteurization. English summary.

1144-69
DETERMINATION OF SEC-BUTYLAMINE RESIDUES IN FRUIT.
E W Day F J Holzer J B Tepe J W Eckert M J Kolbezen
Ass Offic Anal Chem J 51(1):39-44
Jan 1968 381 AS7
Aminobutane, 2-, Chromatography, Electron affinity, Ferbam, Fruit, Fungi, Pesticide residues, Spraying, Thiram, Ziram.

1145-69
THE PRESENT STATE OF THE KNOWLEDGE CONCERNING THE INFLUENCE OF FUNGICIDES ON THE FERMENTATION OF GRAPE JUICES. (GE)
H Ehrenhardt
Weinberg Keller 14(10):435-458 REF
Oct 1967 95.8 W435
Botrytis, Captan, Crop varieties, Fermentation, Folpet, Fungicides, Grapes, Pesticide residues, Reviews, Yeasts, Zineb. Influence of several other fungicides is discussed.

1146-69
THIN LAYER CHROMATOGRAPHY IDENTIFICATION OF PESTICIDES USING DIP-COATED PRESENSITIZED MICROSCOPE SLIDES.
N V Fehringer J D Ogger
J Chromatography 25(1):95-101
Nov 1966 475 J824
Agricultural products, Aluminum oxide, Chromatography, Dichlorofluorescein, 2',7'-, Equipment, Hydroquinone, Microscopy, Pesticide residues, Silver nitrate.

1147-69
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 34(33):2329
18 Feb 1969 L1.451
Chromatography, Cottonseed, Insecticide residues, Methyl-2-(methylthio)propionaldehyde O-(methylcarbamoyl)oxi p.

1148-69
CAREFUL WITH CHEMICALS.
P Mechling
Midwest Reg Turf Conf Proc 1968 MEETING:23-24
04 Mar 1968 60.19 M58
Accident prevention, Accidents, Agricultural products, Pesticides, Residues.

1149-69
BIPHENYL RESIDUES IN ORANGES; EFFECT OF BIPHENYL DOSAGE AND PAD PLACEMENT.
S Norman G L Rygg D C Fouse
U S Agr Res Serv ARS (51-26):8P
Aug 1968 A280.39 R31A
Biphenyl, Decay, Dosage, Fruit, Oranges, Packing, Residues, Storage injuries.

1150-69
ON THE BEHAVIOR OF PESTICIDE RESIDUES DURING THE PREPARATION AND PROCESSING OF FOODS. 1ST. COMMUNICATION. THE BEHAVIOR OF RADIOACTIVE LABELLED LINDANE DURING THE BAKING PROCESS. (GE
H Seidler M Hartig R Engst
Nahrung 12(4):377-381 REF
1968 389.8 N142
Enzymes,' Food processing, Lindane, Pesticide residues, Radiation, Yeasts. English and Russian summary.

1151-69
ESTIMATION OF CHLORINATED PESTICIDE RESIDUES IN ANIMAL AND VEGETABLE OILS.
J Singh J D Lanthier
Ass Offic Anal Chem J 51(1):45-47 REF
Jan 1968 381 AS7
Aluminum oxide, Chlorinated hydrocarbons, Chromatography, DDT, Electron capture, Fats, Oils, Pesticide residues.

1152-69
THE EFFECT OF LOW VOLUME APPLICATION OF DURSBAN ON NON-TARGET ORGANISMS.
R K Washino K G Whitesell D J Womeldorf
Down Earth 24(2,FALL):21-22
1968 381 D75
Aerial spraying, Aquatic insects, Chemical control (insects), Climate, Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O f, Insecticide application, Insecticide residues, Insecticides, Rice, Wildlife.

1153-69
RESIDUES OF DURSBAN INSECTICIDE FOLLOWING MOSQUITO CONTROL APPLICATIONS.
W L Winterlin K Moilanen W E Burgoyne
Down Earth 24(2,FALL):34-37
1968 381 D75
Chemical control (insects), Culicidae, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O i, Insecticide residues, Rice, Water analysis.

TOXICOLOGY

1154-69
TOXICOLOGICAL PROBLEMS OF DINITRO-ORTHO-CRESOL WITH PARTICULAR CONSIDERATION OF ITS QUANTITATIVE DETECTION IN BIOLOGICAL MATERIAL. (GE)
H J Buchheim M Kuhnert
Monatsh Vet 23(7):246-249
01 Apr 1968 41.8 M742
Biology, Chemicals, Dinitrocresol, Dyes, Gastrointestinal system, Quantitative analysis, Ruminants, Sulfates, Swine, Toxicology, Zinc. English and Russian summaries.

1155-69
MORTALITY AMONG BOBWHITES CONFINED TO A HEPTACHLOR CONTAMINATED ENVIRONMENT.
J F Kreitzer J W Spann
J Wildlife Manage 32(4):874-878 REF
Oct 1968 410 J827
Heptachlor, Insecticides, Mortality, Quail, Toxicology.

1156-69
THE TOXICOLOGICAL EFFECT ON ANIMALS OF MIXTURES OF CHLOROPHOS AND DDT. (GE)
P D Lestschenko W I Svatkov
Nahrung 12(4):369-375
1968 389.8 N142
DDT, Hygiene, Parathion, Pesticide residues, Rats, Synergists, Toxicity, Trichlorfon. English and Russian summary. tranlated from the Russian by U. Pesslics.

1157-69
THE TOXICOLOGICAL EFFECT ON ANIMALS OF MIXTURES OF THIOPHOS, AND CHLOROPHOS. (GE)
P D Lestschenko W I Svatkov
Nahrung 12(4):363-367
1968 389.8 N142
Hygiene, Insecticides, Parathion, Rats, Symptomatology, Toxicity, Trichlorfon. English and Russian summary. translated from the Russian by U. Pesslics.

1158-69
STATE OF OUR KNOWLEDGE ON THE TOXIC ACTIVITY OF BACILLUS THURINGIENSIS ON VERTEBRATES. (FR)
D Martouret
Phytiat-phytopharm 16(2):75-82 REF
Jun 1967 464.8 P564
Animal diseases, Bacillus thuringiensis, Human diseases, Toxicology, Vertebrates.

1159-69
WHAT ARE PESTICIDES .
Safety Rev 25(9):8-10
Sep 1968 153 SA9
Accident prevention, Chemical control (pests), Education, Food, Health, Labeling, Pesticide application, Pesticides, Research, Toxicology.

1160-69
DIETARY EFFICIENCY OF NATURAL FOODS FOR THE GROWTH AND DEVELOPMENT OF TRIBOLIUM CASTANEUM HBST. AND CORCYRA CEPHALONICA STAINT.
G K Punj
Bull Grain Technol 5(4):209-213 REF
Dec 1967 TS2120.B8
Corcyra cephalonica, Diet, Food, Growth factors, Inhibitors, Insect morphology, Insect physiology, Temperature, Toxins, Tribolium castaneum.

1161-69
A CASE OF DIQUAT POISONING IN CATTLE.
P Thomas O F Amor
Vet Rec 83(26):674-676
28 Dec 1968 41.8 V641
Cattle, Containers, Diquat, Herbicides, Poisoning. Residue in a drum still fully toxic after 4 years and dilution with nearly 5 gallons of rain water.

1162-69
CYCAD HUSK FROM GUAM: ITS TOXICITY TO RATS.
M G Yang O Mickelsen
Econ Bot 22(2,APR-JUN):149-154
1968 450 EC7
Cycas circinalis, Poisonous plants, Rats, Seeds, Temperature, Toxicology.

PLANT PHYSIOLOGY & BIOCHEMISTRY

1163-69
THE INTERACTION OF COUMARIN AND TEMPERATURE IN THE GERMINATION OF LETTUCE SEED.
A M M Berric
Physiol Plant 21(5):960-965 REF
20 Sep 1968 450 P564 (1)
Coumarin, Lettuce, Plant growth inhibitors, Plant physiology, Seed dormancy, Seed germination, Temperature.

1164-69
MOLYBDENUM IN SOILS AND ITS AVAILABILITY TO PLANTS. (POL)
E Gorlach
Acta Agr Silvestria Ser Roln 7(1):79-149 REF
1967 20.5 AC8
Liming, Molybdenum, Nitrates, Plant biochemistry, Plant nutrition, Plant nutritional deficiencies, Rape, Soil properties, Soils. English and Russian summaries.

1165-69
GIBBERELLIN-LIKE SUBSTANCES IN THE TRANSPIRATION STREAM OF APPLE AND PEAR TREES.
O P Jones H J Lacey
J Expt Bot 19(60):526-531 REF
Aug 1968 450 J8224
Apples, Biological assay, Gibberellins, Pears, Plant transpiration, Sampling (statistics), Sap.

1166-69
THE TOXICITY OF BIURET TO PLANTS AS DEPENDING ON SOIL CONDITIONS. (POL)
H Jurkowska
Acta Agr Silvestria Ser Roln 7(1):3-21
1967 20.5 AC8
Biuret, Crop yields, Dosage, Oats, Plant physiology, Rape, Soil properties, Soils, Toxicology. English and Russian summaries.

1167-69
ABSORPTION, TRANSLOCATION AND METABOLISM OF 3-AMINO-1,2,4-TRIAZOLE IN PINUS PONDEROSA AND ABIES CONCOLOR.
K Lund-Hoie D E Bayer
Physiol Plant 21(1):196-212 REF
10 Feb 1968 450 P564 (1)
Abies concolor, Absorption, Amitrole, Chlorosis, Chromatography, Electrophoresis, Pinus ponderosa, Plant metabolism, Plant translocation.

1168-69
EFFECT OF URACIL AND 5-NITROURACIL ON GROWTH AND FLOWERING OF TOMATO.
S N Mathur R A Sharma
Physiol Plant 21(5):911-917 REF
20 Sep 1968 450 P564 (1)
Flowers, Plant physiology, Plant regulators, Pyrimidines, Tomatoes, Uracil.

1169-69
ON THE EFFECT OF ISOPROPYL-N-3-CHLOROPHENYL-CARBAMATE (CIPC) ON THE SUGAR CONTENT OF POTATO TUBERS. (GE)
A Moll
Nahrung 12(4):383-389 REF
1968 389.8 N142
Cold storage, Growth factors, Isopropyl N-(3-chlorophenyl) carbamate, Plant growth inhibitors, Plant respiration, Potatoes, Sucrose, Temperature, Tubers. English and Russian summary.

1170-69
LABORATORY EXAMINATION OF ORGANIC FUNGICIDES AGAINST ZOOPATHOGENIC FUNGI IN SOIL.
A L Morehart H W Larsh
Appl Microbiol 15(5):1248-1251 REF
Sep 1967 448.3 AP5
Allescheria boydii, Biochemistry, Chemical control (plant diseases), Cryptococcus neoformans, Fungicides, Histoplasma capsulatum, Organic compounds, Research, Soil fungi, Sporotrichum schenckii.

1171-69
VOLATILE GROWTH INHIBITORS PRODUCED BY SALVIA LEUCOPHYLLA: EFFECT ON SEEDLING GROWTH AND RESPIRATION.
W H Muller P Lorber B Haley
Torrey Bot Club Bull 95(5,SEP-OCT):415-422
1968 451 T63B
Plant growth inhibitors, Plant physiology, Plant respiration, Salvia leucophylla, Volatile substances.

1172-69
EFFECT OF GIBBERELLIC ACID AND PHOSFON ON THE CRITICAL DARK PERIOD REQUIREMENT FOR FLOWERING OF IMPATIENS BALSAMINA CV. ROSE.
K K Nanda H N Krishnamoorthy K Lal
Physiol Plant 21(5):1037-1044 REF
20 Sep 1968 450 P564 (1)
Flowers, Gibberellic acid, Impatiens balsamina, Phosfon, Photoperiodism, Plant growth regulator, Plant physiology.

1173-69
THE EFFECTS OF GIBBERELLIN ON THE METABOLISM OF ETHANOL-SOLUBLE CONSTITUENTS IN THE COTYLEDONS OF HAZEL SEEDS (CORYLUS AVELLANA L.).
N J Pinfield
J Expt Bot 19(60):452-459
Aug 1968 450 J8224
Acetates, Biochemistry, Carbon isotopes, Corylus avellana, Gibberellins, Plant metabolism, Radioactive tracers, Seed germination, Seed treatment.

1174-69
STUDIES ON THE MECHANISM OF GIBBERELLIN-INDUCED SEEDLESSNESS OF DELAWARE GRAPES. II. DEVELOPMENT OF OVULES AND POLLEN AS AFFECTED BY PRE-BLOOM GIBBERELLIN TREATMENT.
A Sugiura A Inaba
Kyoto Univ Coll Agr Mem (SER 4,93):43-49
Mar 1968 107.6 K994
Gibberellins, Grapes, Ovulation, Plant physiology, Plant respiration, Pollination, Seed germination, Seeds.

1175-69
RETARDATION OF FLOWERING BY AUXIN-GIBBERELLIN SPRAY IN CHRYSANTHEMUM MORIFOLIUM.
Y Tsukamoto N Kawashima T Tanaka
Kyoto Univ Coll Agr Mem (SER 4,93):1-19 REF
Mar 1968 107.6 K994
Chrysanthemum morifolium, Gibberellins, Growth factors, Inhibitors, Plant propagation, Plant regulators, Spraying, Tables (data).

1176-69
THE EFFECTS OF 1-NAPHTHYLACETIC ACID ON THE GROWTH OF EXCISED TOMATO ROOTS.
G D Weston H E Street
J Expt Bot 19(60):628-635 REF
Aug 1968 450 J8224
Biochemistry, Culture media, Glucose, Naphthaleneacetic acid, 1-, Plant physiology, Plant regulators, Roots, Suerose, Tomatoes.

1177-69
GIBBERELLIN AND HULL CONTROLLED INHIBITION OF GERMINATION IN AEGILOPS KOTSCHYI BOISS.
J Wurzburger Y Leshem
Israel J Bot 16(4):181-186 REF
1967 450 IS7
Aegilops kotschyi, Gibberellins, Plant regulators, Seed germination.

CHEMISTRY

1178-69
A NEW FUNGAL TETRAHYDROFURAN.
B F Burrows
Chem Commun (12):597-598
21 Jun 1967 382 C4223
Butadienyl)-3-hydroxy-4-(1,3-pentadienyl)tetrahydrofuran, 2-e, Chemical reactions, Chromophores, Culture media, Fungicides, Infrared spectra, Metabolites.

1179-69
PROPERTIES AND USES OF POISONOUS CHEMICALS. (JPRS 41,364) TRANSL. 16680.
M S Bykhovskaya et. al.
40 P.
13 Jun 1967
Arsenic, Chemicals, Chlorine, Insecticides, Organic compounds, Phosphorus, Poisoning. Translation from Metody Opredeleniya Vrednykh Veshchestv v Vozdukhe:502-525, 1966. issued by CFSTI.

1180-69
SIMPLE METHOD FOR DETERMINATION OF GLYCINE AND NIACIN IN DRUG MIXTURES.
K L Egli A Romano
Ass Offic Anal Chem J 51(1):11-14
Jan 1968 381 AS7
Chemical reactions, Chromatography, Drugs, Formaldehyde, Glycine, Nicotinic acid, Nutrition, Vitamins, Volumetric analysis.

1181-69
COLLABORATIVE STUDY OF A VERSATILE PROCEDURE FOR ASSAY OF AFLATOXINS IN PEANUT PRODUCTS, INCLUDING PREPARATORY SEPARATION AND CONFIRMATION OF IDENTITY.
R M Eppley L Stoloff A D Campbell
Ass Offic Anal Chem J 51(1):67-73 REF
Jan 1968 381 AS7
Aflatoxin, Assay, Chromatography, Filters, Peanut butter, Peanut meal.

1182-69
STUDIES OF THE USEABILITY OF ALUMINUMOXIDE FOR THE CLEANING OF FAT EXTRACTS FOR THE GAS-CHROMATOGRAPHIC ANALYSIS OF RESIDUES OF CHLORINATED INSECTICIDES. (GE)
E Glofke
Pflanzenschutzberichte 36(8/10):143-155 REF
Dec 1967 464.9 P48
Aluminum oxide, Chemistry, Chlorinated hydrocarbons, Chromatography, Fats, Insecticide residues, Tables (data). English summary. studies of 13 active substances.

1183-69
POLAROGRAPHIC ANALYSIS OF S-TRIAZINE HERBICIDES.
M H B Hayes M Stacey J M Thompson
Chem Indus (28):1222-1223
15 Jul 1967 382 M31C
Chemical reactions, Equipment, Herbicide residues, Polarography, Research, Triazine herbicides.

1184-69
EXTRACTION AND ESTIMATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN TOTAL DIET COMPOSITES.
J W Howard T Fazio R H White B A Klimeck
Ass Offic Anal Chem J 51(1):122-129 REF
Jan 1968 381 AS7
Aromatic hydrocarbons, Benzopyrene, Chromatography, Diet, Extraction, Fluoranthene, Food analysis, Pyrene, Spectroscopy.

1185-69
THE FEASIBILITY OF MASS SPECTROMETRIC METHODS IN RESIDUE ANALYSIS. (GE)
J Jorg M Spiteller-Friedmann G Spiteller
Pflanzenschutzberichte 36(8/10):157-165 REF
Dec 1967 464.9 P48
DDT, Heteroeyclic compounds, Pesticide residues, Propazine, Spectrometry. English summary.

1186-69
THE CIRCULAR DICHROISM AND THE STEROCHEMISTRY OF A NEW FUNGAL TETRAHYDROFURAN.
S F Mason G W Vane
Chem Commun (12):598
21 Jun 1967 382 C4223
Absorption spectra, Butadienyl)-3-hydroxy-4-(1,3-pentadienyl)tetrahydrofuran, 2-e, Chromophores, Fungicides, Metabolites, Stereochemistry.

1187-69
CHEMICAL CHARACTERISTIC OF THE PRODUCTS OF DRUG DECOMPOSITION. I. POLAROGRAPHIC EXAMINATION OF THE PRODUCTS OF PAPAVERINE HYDROCHLORIDE DECOMPOSITION. (POL)
E Pawelczyk T Hermann
Chem Anal 13(3):617-625 REF
1968 385 C4233
Chemicals, Degradation, Drugs, Hydrochloric acid, Papaveraldine, Polarography. Summary in English.

1188-69
MICRO-ENCAPSULATION-A METHOD FOR INCREASING SPECIFICITY AND CONTROLLING PERSISTE' CE OF PESTICIDES.
F T Phillips
Pans (pest Articles News Sum) Sect A Insect Contr 14(3):407-410
Aug 1968 423.92 G798
Biochemistry, Encapsulation, Pest control, Pesticide residues, Pesticides.

1189-69
FIELD SCREENING OF NEW CHEMICALS FOR HERBICIDAL ACTIVITY, 1968.
R E Talbert R E Frans J E Orr
Ark Agr Exp Sta Memeogr Ser (SER 169):17P
Sep 1968 100 AR42M
Chemical control (weeds), Chemicals, Herbicides, Research, Tables (data).

1190-69
EXPERIMENTS CONCERNING THE SENSITIVITY OF TRICHOGRAMMA (HYMENOPTERA, CHALCIDOIDEA) TO FUNGICIDES.
H Ulrich
Anz Schadlingskunde 41(7):101-106
Jul 1968 421 AN9
Chemicals, Fungicides, Orchidaceae, Research, Trichogramma. English summary

1191-69
3,6,9,10-TETRAHALOGENPHENANTHRENE. A NEW CYCLIARYLATION REACTION oF DDT DERIVATIVES. (GE)
C D Weis
Helv Chim Acta 51(7):1572-1581 REF
31 Oct 1968 385 H36
Chemistry, Cyclic compounds, DDT, Halogen compounds, Pesticides, Phenanthrenes. English summary.

1192-69
SPECIFICATIONS FOR PESTICIDES USED IN PUBLIC HEALTH.
300P GENEVA, SWITZERLAND, WORLD HEALTH ORGANIZATION
1967 RA1270.P4W6 1967
Insect repellents, Insecticides, Methodology, Molluscacides, Pesticides, Public health, Rodenticides.

1193-69
STATISTICAL INESTIGATIONS OF THE ACCURACY OF GAS-CHROMATOGRAPHIC RESIDUE ANALYSIS. (SOURCES OF ERROR OF THE GCSTANDARDS). (GE)
W Zislavsky
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